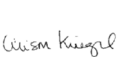


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## Emergency Plan EnergyConnect (NSW - Western Section)

45860-HSE-PL-D-0025

| REV | DATE       | GENERAL DESCRIPTION           | PREPARED                                                                                         | REVIEWED                                                                                                 | VERIFIED                                                                                             | APPROVED                                                                                                                                               |
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| 1   | 21/03/2022 | Issued to DPE                 | M.Lee                                                                                            | R.Walker-Edwards                                                                                         | G.Crighton                                                                                           | D.Whatmough                                                                                                                                            |
| 2   | 7/6/2022   | Issued to DPE                 | M.Lee                                                                                            | R.Walker-Edwards                                                                                         | A.Boyd                                                                                               | D.Whatmough                                                                                                                                            |
| 3   | 27/03/2023 | Revised in accordance with E1 | C.<br>Curlewis                                                                                   | R.Walker-Edwards                                                                                         | G. Crighton                                                                                          | S. Basanta                                                                                                                                             |
| 4   | 10/07/2024 | Revised in accordance with E1 | <br>A.Kriegel | <br>R.Walker-Edwards | <br>G. Crighton | <br>Garrien<br><small>Garrien (Jul 11, 2024 10:29 GMT+10)</small> |

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| <b>Revision History</b> |                                                                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Rev.</b>             | <b>Detailed Description</b>                                                                                                                      |
| A                       | Issued for internal review                                                                                                                       |
| B                       | Issued for Transgrid review                                                                                                                      |
| C                       | Issued for Transgrid review and to address draft Infrastructure Approval (Version 3 dated 12/08/2021)                                            |
| D                       | Updated following Transgrid review and to address the Infrastructure Approval                                                                    |
| E                       | Updated following Transgrid review                                                                                                               |
| F                       | Issued for local Fire Control Centre review                                                                                                      |
| 0                       | Issued for Environmental Representative review                                                                                                   |
| 1                       | Updated following receipt of DPE comment and issued to DPE                                                                                       |
| 2                       | Updated following receipt of DPE comment and issued to DPE                                                                                       |
| 3                       | Revised in accordance with condition E1                                                                                                          |
| 4                       | Revised to update to Elecnor template and Elecnor management system, to remove Wentworth Accommodation Camp, and in accordance with condition E1 |
|                         |                                                                                                                                                  |
|                         |                                                                                                                                                  |

| <b>Key Document Stakeholders</b>                                             |
|------------------------------------------------------------------------------|
| <b>To be communicated with during reviews and revisions of this document</b> |
|                                                                              |
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## Abbreviations

| Acronym                                  | Definition                                                                                                                                                                                                                                                               |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Amendment Report                         | EnergyConnect (NSW - Western Section) - Amendment Report                                                                                                                                                                                                                 |
| APZ                                      | Asset protection zone                                                                                                                                                                                                                                                    |
| AS/NZ                                    | Australian Standard/New Zealand Standard                                                                                                                                                                                                                                 |
| AWS                                      | Automatic weather station                                                                                                                                                                                                                                                |
| BAL                                      | Bushfire attack level                                                                                                                                                                                                                                                    |
| BC Act                                   | Biodiversity Conservation Act 2016                                                                                                                                                                                                                                       |
| BoM                                      | Bureau of Meteorology                                                                                                                                                                                                                                                    |
| CCTV                                     | Closed-circuit television                                                                                                                                                                                                                                                |
| CEMP                                     | Construction Environmental Management Plan                                                                                                                                                                                                                               |
| CSSI                                     | Critical State significant infrastructure                                                                                                                                                                                                                                |
| DAWE                                     | Department of Agriculture, Water and the Environment                                                                                                                                                                                                                     |
| DPE                                      | Department of Planning and Environment, now known as NSW Department of Planning, Housing and Infrastructure                                                                                                                                                              |
| DPHI or Department                       | NSW Department of Planning, Housing and Infrastructure                                                                                                                                                                                                                   |
| DPIE                                     | NSW Department of Planning, Industry and Environment (now known as NSW Department of Planning, Housing and Infrastructure, DPHI)                                                                                                                                         |
| EIS                                      | EnergyConnect (NSW - Western Section) - Environmental Impact Statement                                                                                                                                                                                                   |
| EP                                       | Emergency Plan                                                                                                                                                                                                                                                           |
| EP&A Act                                 | Environmental Planning and Assessment Act 1979                                                                                                                                                                                                                           |
| EPBC Act                                 | Environmental Protection and Biodiversity Conservation Act 1999                                                                                                                                                                                                          |
| EPL                                      | Environment Protection Licence                                                                                                                                                                                                                                           |
| FRNSW                                    | Fire and Rescue NSW                                                                                                                                                                                                                                                      |
| IC                                       | Incident Controller                                                                                                                                                                                                                                                      |
| NSW                                      | New South Wales                                                                                                                                                                                                                                                          |
| NSW RFS                                  | NSW Rural Fire Service                                                                                                                                                                                                                                                   |
| PIC                                      | Person In Charge                                                                                                                                                                                                                                                         |
| Planning Secretary                       | Planning Secretary under the EP&A Act, or nominee                                                                                                                                                                                                                        |
| POEO Act                                 | Protection of the Environment Operations Act 1997                                                                                                                                                                                                                        |
| PPE                                      | Personal protective equipment                                                                                                                                                                                                                                            |
| project, the                             | EnergyConnect (NSW - Western Section)                                                                                                                                                                                                                                    |
| Response to DPIE Request for Information | The 'additional information letter dated 10 August 2021' in the definition section of the Infrastructure Approval; document is also titled <i>EnergyConnect (NSW - Western Section) Response to DPIE Request for Information - 7 May 2021 and subsequent discussions</i> |
| RMMs                                     | Revised mitigation measures                                                                                                                                                                                                                                              |
| SAPs                                     | Sensitive area plans                                                                                                                                                                                                                                                     |
| SecureEnergy                             | Transgrid has engaged Elecnor Australia, trading as SecureEnergy, to design and construct the EnergyConnect project.                                                                                                                                                     |
| SES                                      | State Emergency Services                                                                                                                                                                                                                                                 |
| SSI                                      | State significant infrastructure                                                                                                                                                                                                                                         |

| Acronym            | Definition                                                 |
|--------------------|------------------------------------------------------------|
| Submissions Report | EnergyConnect (NSW - Western Section) - Submissions Report |
| WMS                | Work method statement                                      |

## 1 Introduction

### 1.1 Context

This Emergency Plan (EP or this plan) forms part of the Environmental Management System for EnergyConnect (NSW - Western Section). This plan is to be read in conjunction with the *Emergency Preparedness and Response Plan* (45860-HSE-PL-D-1015).

This plan has been prepared to address the relevant requirements of the Infrastructure Approval (SSI 10040), *EnergyConnect (NSW - Western Section) Environmental Impact Statement* (EIS), *EnergyConnect (NSW - Western Section) Submissions Report* (Submissions Report), *EnergyConnect (NSW - Western Section) Amendment Report* (Amendment Report) and the additional information letter dated 10 August 2021 (Response to DPIE Request for Information).

### 1.2 Background

On 29 August 2019 the then NSW Minister for Planning and Public Spaces declared the NSW component of EnergyConnect to be critical State significant infrastructure (CSSI) under the Environmental Planning and Assessment Act 1979 (EP&A Act) on the basis that it is critical to the State for environmental, economic or social reasons. Within NSW, EnergyConnect is therefore subject to assessment under Part 5, Division 5.2 of the EP&A Act.

Transgrid have two environmental planning approval applications for the sections within NSW:

- EnergyConnect (NSW - Western Section) - SA/NSW border to Buronga and Buronga to the NSW/Victorian border (the project); and
- EnergyConnect (NSW - Eastern Section) - Buronga to Wagga Wagga.

A referral under the Commonwealth *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act) was submitted on 27 May 2020. The Australian Department of Agriculture, Water and the Environment (DAWE) determined the project to be a controlled action on 26 June 2020 and thus, it would be assessed using the bilateral assessment process. As such, the project also requires approval from the Australian Minister for the Environment under the EPBC Act.

The EIS was prepared for the project in October 2020 and was placed on public exhibition from 30 October 2020 to 10 December 2020. A total of 20 submissions were received, with 15 from government agencies, three from organisations and two from the public.

The Submissions Report was prepared for the project in response to the submissions and was finalised on 14 April 2021.

Transgrid also prepared a separate Amendment Report to document design changes and additional environmental assessment undertaken since exhibition of the EIS. The Amendment Report describes the updated project for which approval has been sought and was finalised on 14 April 2021.

On 7 May 2021, Department of Planning and Environment (DPE) requested additional information (*EnergyConnect (NSW - Western Section) (SSI-10040) Request for Additional Information*) to assist with the assessment of the project. In response Transgrid prepared and provided the Response to DPIE Request for Information, which included revised mitigation measures (RMMs) in Appendix G which are to be applied. The Response to DPIE Request for Information was dated 10 August 2021.

Approval for the project under the EP&A Act was granted by the NSW Minister for Planning and Public Spaces (Infrastructure Approval SSI 10040). Approval for the project under the EPBC Act was granted by the Australian Minister for the Environment.

Transgrid have engaged Elecnor Australia, trading as SecureEnergy to design and construct their portion of the EnergyConnect project.

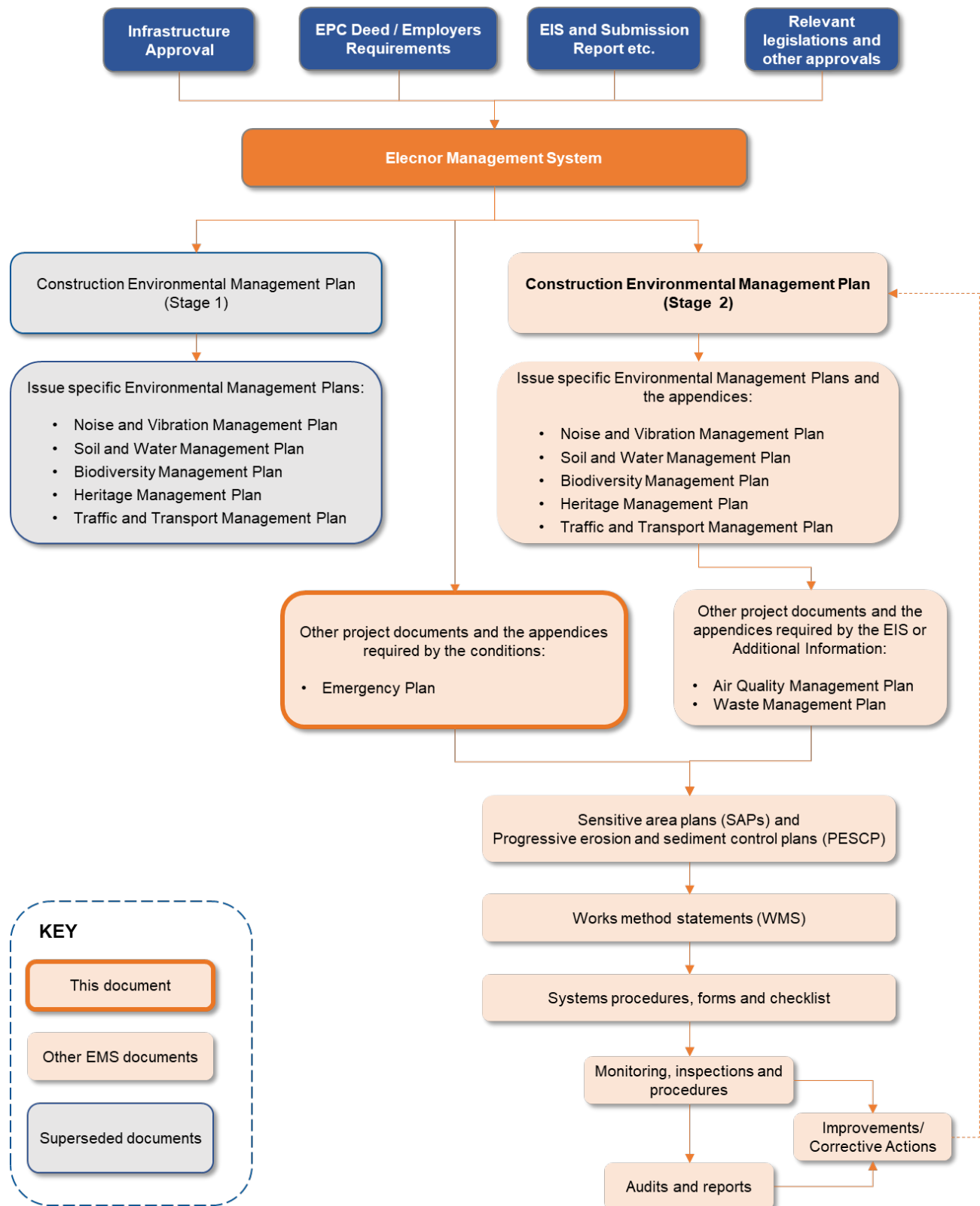
This EP has been prepared specifically for EnergyConnect (NSW - Western Section).

### **1.3 Environmental management system**

The overall environmental management system for the project is described in Section 4 of the CEMP.

This EP is part of the environmental management framework for the project, as described in the CEMP and as indicated in Figure 1.1.

Management measures identified in this plan will be incorporated into relevant site-based documents including, but not limited to, site or activity specific work packs or work method statements (WMS), sensitive area plans (SAP) or training and awareness activities.



**Figure 1.1 - Environmental Management System framework**



## **1.4 Purpose and objective**

The purpose of this EP is to describe the approach that will be adopted during construction of the project to manage potential bushfire impacts to the project.

The key objective of this plan is to detail management measures and inform site procedures for implementation so that the likelihood of a bushfire and its impacts are minimised and managed. To achieve this the following will be undertaken:

- implement appropriate measures to address the requirements outlined in the Infrastructure Approval, EIS and Response to DPIE Request for Information;
- implement appropriate and feasible measures during construction to minimise bushfire likelihood, with the aim to reduce the threats to human health and safety, the project and the surrounding areas including nearby infrastructure and properties; and
- implement appropriate measures to comply with relevant legislative requirements as described in Section 2.1 of this plan.

## **1.5 Consultation**

In accordance with condition D45 of the Infrastructure Approval, this plan has been prepared and issued to relevant stakeholders (the local Fire Control Centre) for review and comment. The local Fire Control Centre did not provide comments on previous versions of the plan.

A copy of the final version of this plan will be provided to the local Fire Control Centre.

## **1.6 Availability of this plan**

Two physical copies of this plan will be placed in a prominent position adjacent to the site entry point of the Buronga substation at all times. This plan will also be available through the project document control system.

## 2 Environmental requirements

### 2.1 Legislation

Legislation relevant this EP includes:

- *Rural Fire Act 1997*;
- *Fire and Rescue NSW Act 1989*;
- *Work Health and Safety Act 2011*; and
- *State Emergency Service Act 1989*.

Legal and other requirements are managed in accordance with the *Global Control of Legal and Other Requirement Procedure* which describes the minimum requirements for the identification and management of legislation and other requirements applicable to project activities.

Relevant provisions of the above legislation are detailed within the register of legal and other requirements included in Appendix A1 of the CEMP.

### 2.2 Conditions of Approval

The conditions of the Infrastructure Approval relevant to this plan are presented in Table 2.1. A cross reference is also included to indicate where the condition is addressed within this plan or other project management documents.

**Table 2.1 - Conditions of Approval relevant to this plan**

| Condition no. | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Where addressed                         | How addressed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| D47           | Prior to commencing construction, the Proponent must develop and implement a comprehensive Emergency Plan and detailed emergency procedures for the development, in consultation with the local Fire Control Centre, and provide a copy of the plan to the local Fire Control Centre. The Proponent must keep two copies of the plan on-site in a prominent position adjacent to the site entry points) to the Buronga Substation at all times. The plan must: | This Plan<br>Section 1.4<br>Section 1.5 | Prior to commencing construction, this plan has been prepared in consultation with the local Fire Control Centre. The local Fire Control Centre did not provide comments on previous versions of the plan. Elecnor will work with the local Fire Control Centre should comments be received on this revision of the plan or in future. The final version of this plan will be provided to the local Fire Control Centre.<br><br>Two copies of this plan will be placed at the Buronga Substation site entry point at all times. |
|               | a) be consistent with: <ul style="list-style-type: none"> <li>• RFS's Planning for Bushfire Protection 2019 (or equivalent);</li> <li>• RFS's Development Planning - A Guide to Developing a Bush Fire Emergency Management and Evacuation Plan;</li> <li>• the Fire and Rescue NSW Act 1989;</li> <li>• the Work Health and Safety (WHS) Act 2011;</li> </ul>                                                                                                 | Section 2.1<br>Section 2.4              | This plan has been prepared to be consistent with the listed legislation and guidelines.                                                                                                                                                                                                                                                                                                                                                                                                                                        |

| Condition no. | Requirement                                                                                                                                                                                 | Where addressed                                              | How addressed                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               | b) identify the fire risks and hazards and detailed measures for the development to prevent or mitigate fires igniting;                                                                     | Section 3<br>Section 4<br>Section 6                          | Fire risk and hazards are identified in Section 3 and Section 4. Preventative and/or management measures to mitigate the likelihood of a fire ignition is detailed in Section 6.                                                                                                                                                                                                                                                       |
|               | c) include procedures that would be implemented if there is a fire on-site or in the vicinity of the site;                                                                                  | Section 8.2<br>Table 10.1 – BF29 and BF30                    | The bushfire and fire response procedure as outlined in Section 8.2 would be implemented if there is a fire on-site or in the vicinity of the site.                                                                                                                                                                                                                                                                                    |
|               | d) list works that should not be carried out during a total fire ban;                                                                                                                       | Section 6.3<br>Table 10.1 – BF3                              | Activities that should not be undertaken during a total fire ban is outlined in Section 6.3.                                                                                                                                                                                                                                                                                                                                           |
|               | e) include availability of fire suppression equipment, access and water;                                                                                                                    | Section 7.4<br>Table 10.1 – BF18, BF21 and BF22              | The availability and location of fire-fighting water supplies and equipment resources is outlined in Section 7.4.                                                                                                                                                                                                                                                                                                                      |
|               | f) include procedures for the storage and maintenance of any flammable materials;                                                                                                           | Section 6.4<br>Table 10.1 – BF12 to BF16                     | Storage and maintenance of flammable material will be in accordance with the safety data sheet given by the manufacturers or importers.                                                                                                                                                                                                                                                                                                |
|               | g) detail access provisions for emergency vehicles and contact details for both a primary and alternative site contact who may be reached 24/7 in the event of an emergency;                | Section 7.5<br>Section 9.1<br>Table 10.1 – BF8<br>Appendix C | Access and egress points are provided in Appendix C. Design of the access provisions for emergency vehicles will be considered during the detail design stage.<br><br>Emergency contracts details are provided in Section 7.5                                                                                                                                                                                                          |
|               | h) include a figure showing site infrastructure, any Asset Protection Zones and the on-site water supply tank(s);                                                                           | Appendix B                                                   | Appendix B provides figures showing project infrastructure boundary, asset protection zones and on-site water supply tanks.<br><br>Appendix B includes figures for Buronga Substation and Accommodation Camp and for Wentworth Accommodation Camp.<br><br>Wentworth Accommodation Camp is in the process of being demobilised and no longer houses any workers. On-site security may be on site whilst material and equipment remains. |
|               | i) include location of hazards (physical, chemical and electrical) that may impact on fire fighting activities and procedures to manage identified hazards during fire fighting activities; | Section 4.2<br>Appendix A                                    | The location of hazards that may impact fire-fighting activities is identified in Section 4.2.<br>Procedures to manage hazards during a fire outbreak will be provided in the safe work methods statements as outlined in Section 4.2.                                                                                                                                                                                                 |

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| Condition no. | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Where addressed                                       | How addressed                                                                                                                                                                                                                                                                                                                                                          |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               | j) include details of the location, management and maintenance of any Asset Protection Zone and who is responsible for the maintenance and management of the Asset Protection Zone;                                                                                                                                                                                                                                                                                                                 | Section 6.1<br>Appendix B<br>Table 10.1 – BF6 and BF7 | Detail relating to asset protection zone is outlined in Section 6.1 and Appendix B.<br>As above, although Appendix B includes a figure for Wentworth Accommodation Camp asset protection zone, the camp is in the process of being demobilised. No personnel are housed at the camp, however, security personnel may be on site whilst material and equipment remains. |
|               | k) include bushfire emergency management planning;                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Section 6<br>Section 7<br>Section 8<br>Section 9      | Bushfire emergency management planning is addressed throughout this plan. Section 6 provides bushfire prevention, Section 7 and 8 outlines bushfire preparedness and emergency response and Section 9 outlines the communication details.                                                                                                                              |
|               | l) include details of the how RFS would be notified, and procedures that would be implemented, in the event that: <ul style="list-style-type: none"> <li>there is a fire on-site or in the vicinity of the site;</li> <li>there are any activities on site that would have the potential to ignite surrounding vegetation; or</li> <li>there are any proposed activities to be carried out during a bushfire danger period that have the potential to ignite surrounding vegetation; and</li> </ul> | Section 9.2<br>Table 10.1 – BF31                      | The notification procedure of how and when NSW Rural Fire Service (RFS) will be notified is provided in Table 9.2.                                                                                                                                                                                                                                                     |
|               | m) include details on how live transmission infrastructure can be safely isolated in an emergency.                                                                                                                                                                                                                                                                                                                                                                                                  | Section 8.3                                           | Site personnel should not attempt fire control activities near energized lines.<br><br>In the event there is a fire near powerlines, early notification will be communicated to Transgrid or the respective electricity company/transmission line asset owner to allow an assessment of risks associated with deenergising the powerline.                              |

## 2.3 Revised mitigation measures

The revised mitigation measures (RMMs) are defined in Appendix G of the Response to DPIE Request for Information. Those measures relevant to this plan are listed in Table 2.2 below. The RMMs provided below are extracts from the Response to DPIE Request for Information. The management measures that will be implemented for the project are provided in Section 10 of this plan. A cross reference is also included to indicate where the measure is addressed within this plan or other project management documents.

**Table 2.2 - Revised mitigation measures relevant to this plan**

| Reference | Revised mitigation measures                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Applicable locations<br>(from RMMs)                 | Where addressed                           | How addressed                                                                                                                                                           |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HR2       | <p>A minimum 50m wide managed Asset Protection Zone will be provided to the hazard perimeter of the fixed construction equipment and camp site buildings unless an alternative fire protection approach that achieves the same level of bushfire risk management is identified by a suitably qualified specialist during detailed design.</p> <p>Any Asset Protection Zone will be regularly maintained to provide a maximum grass height of 100mm -150mm during the prescribed Bushfire Danger Period and when the grassland fuel reaches 70 per cent cured.</p> <p>Vegetation inside the main construction compounds and accommodation camp sites will be regularly maintained to a maximum height of 75mm.</p> | Main construction compounds and accommodation camps | Section 6.1<br>Table 10.1 - BF6 and BF7   | Bushfire risk management measures in relation to asset protection zones are detailed in Section 6.1 and in Table 10.1- BF6 and BF7.                                     |
| HR3       | Buildings within the construction compound and camp site will be constructed to comply with Section 3 and Section 5 (BAL 12.5) of A.S. 3959 - 2018 -'Construction of Buildings in Bushfire Prone Areas'. The sub-floor space of each building will be enclosed with stainless steel flymesh securely fixed to the external wall/s and buried into the ground. All joints will be overlapped and sealed.                                                                                                                                                                                                                                                                                                           | Main construction compounds and accommodation camps | Section 6.2<br>Table 10.1 - BF9           | Bushfire risk management measures in relation to buildings within the construction compound and camp site are detailed in Section 6.2 and in Table 10.1 - BF9.          |
| HR4       | <p>Water for fire-fighting operations will be confirmed during detailed design with consideration to occupancy density and site layout. This will include onsite static water supply and fire-fighting hose reels.</p> <p>All weather access having a minimum width of 4 metres will be provided to the static water supply tanks.</p>                                                                                                                                                                                                                                                                                                                                                                            | Main construction compounds and accommodation camps | Section 7.4<br>Table 10.1 - BF21 and BF22 | Dedicated water supply for fire-fighting along with all weather access of a minimum width of 4m will be available at accommodation camps and/or construction compounds. |
| HR5       | Consultation with emergency services, including the Rural Fire Service and Fire and Rescue NSW will be undertaken during detailed design to                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | All locations                                       | Table 10.1 - BF8                          | Consultation with emergency services, including the Rural Fire Service and Fire and                                                                                     |

| Reference | Revised mitigation measures                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Applicable locations<br>(from RMMs)                 | Where addressed                  | How addressed                                                                                                                                                                                            |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|           | ensure emergency access provisions are provided during operation.                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                     |                                  | Rescue NSW (FRNSW) will be undertaken.                                                                                                                                                                   |
| HR6       | Prior to the occupation of the construction camps and offices, all bush fire protection and mitigation measures would be certified as compliant with relevant regulatory requirements by a suitably qualified bush fire consultant                                                                                                                                                                                                                                                                           | Main construction compounds and accommodation camps | Section 6.2<br>Table 10.1 – BF10 | Construction camps and offices will be certified by a suitably qualified bush fire consultant as being compliant with relevant regulatory requirements prior to occupation.                              |
| HR7       | Shielding will be used and a water supply (nine kilogram water fire extinguisher) and trained operator present during all outdoor hot works/grinding activities, and during vegetation slashing within and adjacent to the construction compound and camp sites.<br><br>No outdoor hot works will be undertaken during periods of Total Fire Ban and Catastrophic Fire Weather Days unless there is a suitable fire suppression unit present on site and only with prior agreement with local fire services. | All locations                                       | Section 6.3<br>Table 10.1 – BF20 | Section 6.3 outlines the management measures required during all outdoor hot works/grinding activities and any hot works undertaken during periods of Total Fire Ban and Catastrophic Fire Weather Days. |
| HR11      | Security measures will be implemented to minimise the risk of arson within and adjoining construction areas. The location of appropriate security measures will be determined using a risk based approach.                                                                                                                                                                                                                                                                                                   | All locations                                       | Section 6.2<br>Table 10.1 – BF11 | Security measures, as outlined in Section 6.2, will be implemented to minimise the risk of arson.                                                                                                        |
| HR14      | The proposal will be designed, operated and maintained in accordance with Transgrid's Bushfire Risk Management Plan. This includes reduction in fuel loads, management of asset protection zones and inspections of infrastructure.                                                                                                                                                                                                                                                                          | All locations                                       | Table 10.1 – BF27                | The principles within Transgrid's <i>Bushfire Risk Management Plan</i> will be considered during the detailed design stage.                                                                              |

## 2.4 Guidelines

The main guidelines and specification relevant to this plan include:

- *AS 1940-2017 The storage and handling of flammable and combustible liquids;*
- *AS 3959-2018 Construction of buildings in bushfire-prone areas Standards Australia, Sydney;*
- *Safe Work Australia, Managing risks of storing chemicals in the workplace: Guidance material;*
- *Energy Networks Association, 2006, National Guidelines on Electrical Safety for Emergency Service Personnel ENA Doc 008 - 2006, Sydney;*

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- *Lower Western Zone Bush Fire Management Committee (BFMC), 2014, Bush Fire Risk Management Plan - Lower Western;*
- *NSW Rural Fire Service, 2019, Planning for Bushfire Protection - A guide for councils, planners, fire authorities and developers, Sydney; and*
- *NSW Rural Fire Service, 2014, Development Planning - A Guide to Developing a Bush Fire Emergency Management and Evacuation Plan, Sydney.*

The documents identified above are considered by the project as described and referenced throughout this plan.

### 3 Existing environment

This section summaries the factors within and/or adjacent to the work area associated with the project that could potentially cause or support a bushfire. The information below is taken from Chapter 19 of the EIS and the Technical Paper 10 (Bushfire impact assessment). *Bush Fire Risk Management Plan - Lower Western* (Lower Western Zone BFMC) provides bushfire information specifically for the local Wentworth area.

#### 3.1 Bushfire prone land

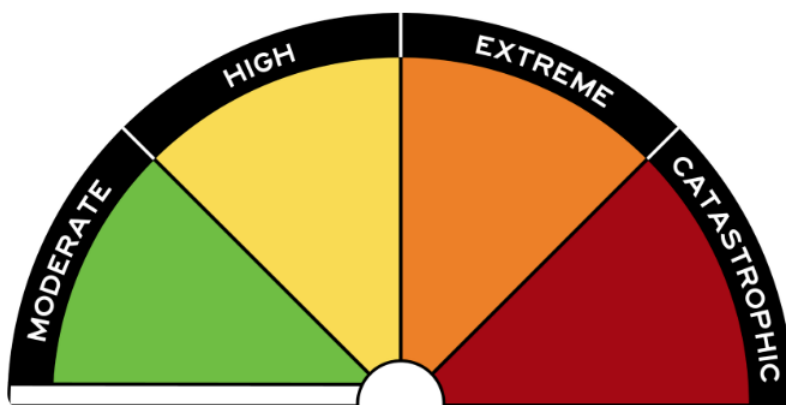
Technical Paper 10 (Bushfire impact assessment) describes the project as being in bushfire prone areas. Information from the NSW RFS via the online SEED tool shows the majority of the project alignment to be situated in bushfire prone land of vegetation class 1 and 2. There is no vegetation class data in areas along Renmark Road (north of Lake Victoria), Great Darling Anabranch and the Darling River to Fletcher Lake Road. However, it should be noted that an absence of mapped vegetation does not mean there is minimal bushfire prone areas.

#### 3.2 Fire danger period (bushfire season)

The fire danger period runs annually from 1 October to 31 March, unless adjusted by the NSW Rural Fire Service (NSW RFS) Commissioner. Fire Danger Ratings are rated as:

- Moderate;
- High;
- Extreme; or
- Catastrophic.

Figure 3.1 provides an example of the NSW Fire Danger rating.



**Figure 3.1 - NSW Fire danger ratings (for potential bushfires)**

#### 3.3 Ignition source

The ignition source is a critical element in starting a bushfire. Bushfires only can ignite from either natural or human causes. Human causes can be further categorised into the following three types; malicious (including arson), carelessness, or accidentally, while the only common natural cause of bushfires is lightning.

It should be noted that most bushfires within NSW originate from human causes with many classified as arson. While accidental and/or careless ignition is most likely to occur for the project from occupied buildings such as construction site compounds, accommodation camp sites and sparks from machinery and equipment.

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### 3.4 Bushfire fuels

Bushfire fuel is a critical element in bushfire management, as it is the one factor directly related to bushfire behaviour that can be managed. There are four types of fuel that contribute to bushfire hazard, which are as follows:

- bark fuel hazard;
- elevated fuel load (i.e. shrubs, heath and suspended material greater than 0.5m above ground);
- near surface fuel load; and
- surface fine fuels.

Bushfire fuel levels will be managed through asset protection zones (APZ). The management of APZ zones is outlined in Section 6.1.

### 3.5 Topography

Slope is a critical factor when assessing fire risk and fire behaviour. The rate of fire propagation approximately doubles for a slope of 10 degrees. The topography of the project is largely flat with gentle slopes towards the existing large watercourses including the Darling River, Darling Anabranch and the Murray River.

Given the relatively flat topography of the land, the fire behaviour would predominately spread in the direction of the prevailing wind.

### 3.6 Meteorological conditions

Meteorological conditions are important for predicting fire behaviour as well as predicting the severity of a bushfire event. The key meteorological parameters for fire behaviour are wind speed, wind direction, temperature, rainfall and relative humidity. Historical meteorological data in the vicinity of the project is reviewed in this section.

#### 3.6.1 Temperature, rainfall and humidity

Climatic data including temperature, rainfall and humidity were obtained from the Bureau of Meteorology (BoM). The BoM collects data from three automatic weather stations (AWS) near the project to determine the relative long term climate statistics. The three AWS are as follows:

- Mildura Airport ASW - located 21km to the southwest of Buronga substation and 16 km to the west of the closest transmission line;
- Lake Victoria Storage AWS - located approximately 15km to the south of the closest transmission line; and
- Wentworth Post Office AWS - located 24km to the south west of the closest transmission line. However, as most of the climatic data has not been collected at the Wentworth Post Office AWS since 1967 except for rainfall, the climate statistics data from this station were not considered in the EIS.

As the land is relatively flat surrounding the project, the climatic data at Mildura Airport AWS and Lake Victoria Storage AWS were selected in the EIS as the representative climate of the project. The climate statistics data considered in the EIS for Mildura Airport AWS is from 1946 to 2020, while Lake Victoria Storage AWS is from 1922 to 2020. Noting that the mean 3pm condition were not collected at Lake Victoria Storage AWS.

Table 3.1 and Table 3.2 provides a summary of the climate statistics for Mildura Airport AWS and Lake Victoria Storage AWS respectively. Figure 3.2 presents the location of the AWS.

**Table 3.1 - Summary of climate statistics for Mildura Airport AWS**

| Month          | Temperature (1946 to 2020) |          | Rainfall (1946 to 2020) |                   | Mean 9am condition (1946 to 2020) |                       |                   | Mean 3pm condition (1946 to 2020) |                       |                   |
|----------------|----------------------------|----------|-------------------------|-------------------|-----------------------------------|-----------------------|-------------------|-----------------------------------|-----------------------|-------------------|
|                | Max (°C)                   | Min (°C) | Mean rainfall (mm)      | Mean days of rain | Temp. (°C)                        | Relative humidity (%) | Wind speed (km/h) | Temp. (°C)                        | Relative humidity (%) | Wind speed (km/h) |
| Jan            | 32.5                       | 16.8     | 21.9                    | 2.5               | 21.7                              | 52                    | 15.7              | 30.5                              | 27                    | 16.9              |
| Feb            | 31.8                       | 16.5     | 21.5                    | 2.1               | 20.9                              | 56                    | 14.5              | 29.9                              | 30                    | 16                |
| Mar            | 28.5                       | 13.9     | 19.4                    | 2.4               | 18.5                              | 61                    | 13.4              | 27.1                              | 33                    | 15.6              |
| Apr            | 23.7                       | 10.2     | 19.5                    | 2.8               | 14.9                              | 68                    | 11.6              | 22.7                              | 40                    | 15.4              |
| May            | 19.1                       | 7.4      | 25.3                    | 4.1               | 10.8                              | 81                    | 9.5               | 18.3                              | 50                    | 15.1              |
| Jun            | 16                         | 5.2      | 22                      | 4.6               | 7.8                               | 88                    | 9.4               | 15.3                              | 56                    | 15.6              |
| Jul            | 15.5                       | 4.4      | 24.7                    | 5.1               | 7.1                               | 86                    | 10.4              | 14.6                              | 54                    | 17.3              |
| Aug            | 17.3                       | 5.2      | 25.2                    | 5.1               | 9.1                               | 78                    | 12.8              | 16.4                              | 47                    | 19.3              |
| Sep            | 20.6                       | 7.3      | 26.6                    | 4.3               | 12.7                              | 67                    | 15.7              | 19.4                              | 40                    | 19.7              |
| Oct            | 24.2                       | 9.8      | 28.2                    | 4.4               | 16.1                              | 57                    | 17.4              | 22.6                              | 34                    | 19.7              |
| Nov            | 27.7                       | 12.6     | 25.9                    | 3.6               | 18.4                              | 53                    | 16.6              | 25.9                              | 30                    | 18.4              |
| Dec            | 30.4                       | 15       | 25.5                    | 2.8               | 20.5                              | 50                    | 16                | 28.4                              | 27                    | 18.1              |
| Annual average | 23.9                       | 10.4     | 285.8*                  | 43.8*             | 14.9                              | 67                    | 13.6              | 22.6                              | 39                    | 17.3              |

Note: \* = Annual total

**Table 3.2 - Summary of climate statistics for Lake Victoria Storage AWS**

| Month          | Temperature (1922 to 2020) |          | Rainfall (1922 to 2020) |                   | Mean 9am condition (1922 to 2010) |                       |                   |
|----------------|----------------------------|----------|-------------------------|-------------------|-----------------------------------|-----------------------|-------------------|
|                | Max (°C)                   | Min (°C) | Mean rainfall (mm)      | Mean days of rain | Temp. (°C)                        | Relative humidity (%) | Wind speed (km/h) |
| Jan            | 32.3                       | 16.6     | 19.6                    | 2.3               | 21.6                              | 58                    | 10.5              |
| Feb            | 31.7                       | 16.5     | 18.7                    | 2.1               | 21.1                              | 61                    | 9.3               |
| Mar            | 28.6                       | 14.1     | 14.6                    | 2                 | 18.7                              | 65                    | 8.8               |
| Apr            | 23.6                       | 10.5     | 18.8                    | 2.9               | 15.2                              | 71                    | 7.8               |
| May            | 19.1                       | 7.8      | 23.5                    | 4.3               | 11.6                              | 80                    | 6.6               |
| Jun            | 15.7                       | 5.7      | 22.6                    | 4.6               | 8.8                               | 86                    | 7.1               |
| Jul            | 15.4                       | 5.3      | 23.8                    | 5.4               | 8.4                               | 84                    | 8.5               |
| Aug            | 17.2                       | 6.1      | 23.5                    | 5.2               | 9.9                               | 78                    | 9.7               |
| Sep            | 20.5                       | 8.1      | 24.2                    | 4.2               | 13                                | 71                    | 10.8              |
| Oct            | 23.9                       | 10.6     | 26.1                    | 4                 | 16                                | 65                    | 11.4              |
| Nov            | 27.4                       | 13.2     | 23.4                    | 3.4               | 18.5                              | 61                    | 10.4              |
| Dec            | 30.5                       | 15.3     | 20.5                    | 2.7               | 20.7                              | 58                    | 10.7              |
| Annual average | 23.8                       | 10.8     | 259.1 *                 | 43.1 *            | 15.3                              | 70                    | 9.3               |

Note: \* = Annual total

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### 3.6.2 Wind conditions

Wind is an important factor for bushfire behaviour as it influences the rate of spread of the fire front and spreads burning embers/sparks, providing ignition sources for spot fires to distances up to 35km ahead of the main fire front.

The topography of the project is relatively level within an open landscape. Thus, fire behaviour for the landscape will spread in the direction of the prevailing winds which are northwest, west and southwest.

Site-specific wind conditions were collected at Buronga substation as part of the *Amendment Report - Air Quality Impact Assessment*. The wind roses indicate that wind conditions at the Buronga substation were generally consistent with that at the Mildura Airport AWS. Seasonal and annual wind roses showing the frequency of strength and direction of wind at Buronga substation is provided in Figure 3.3. The wind roses indicate that the winds at Buronga substation in 2018 were:

- most frequently ranging from the south to west and rarely from the east during spring with an average wind speed of 3.8m/s;
- most frequently from the south east to south southwest during summer with an average wind speed of 3.9m/s;
- most frequently from the south and south-southwest during autumn with an average wind speed of 3.3m/s;
- most frequently from the north, north-northeast and the west during winter with an average wind speed of 3.6m/s; and
- overall most frequently from the south and south-southwest and the west directions with an average wind speed of 3.7m/s and calm winds of 2.5 per cent over the year.

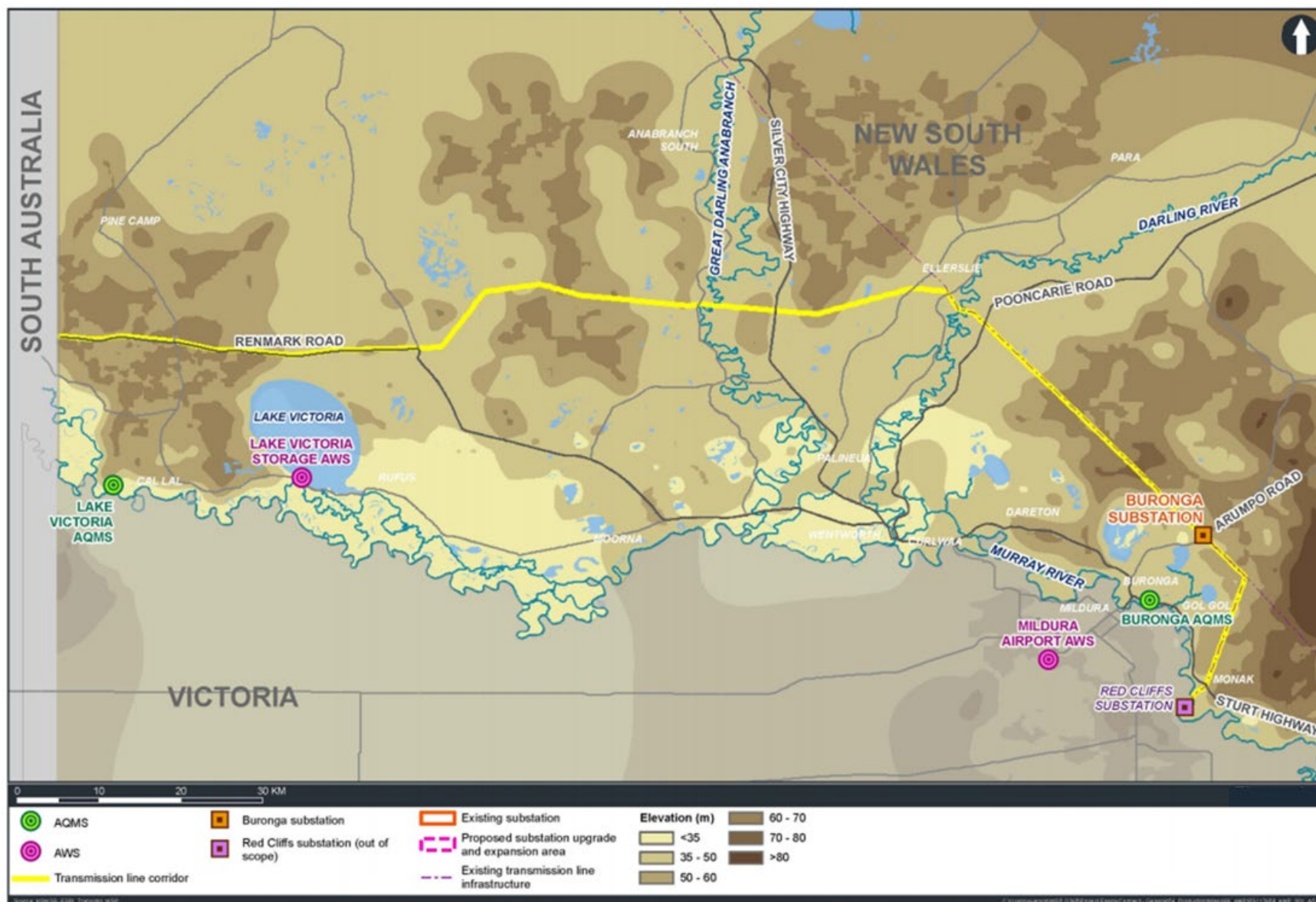


Figure 3.2 - Location of AQMS and AWS sites (WSP 2020)

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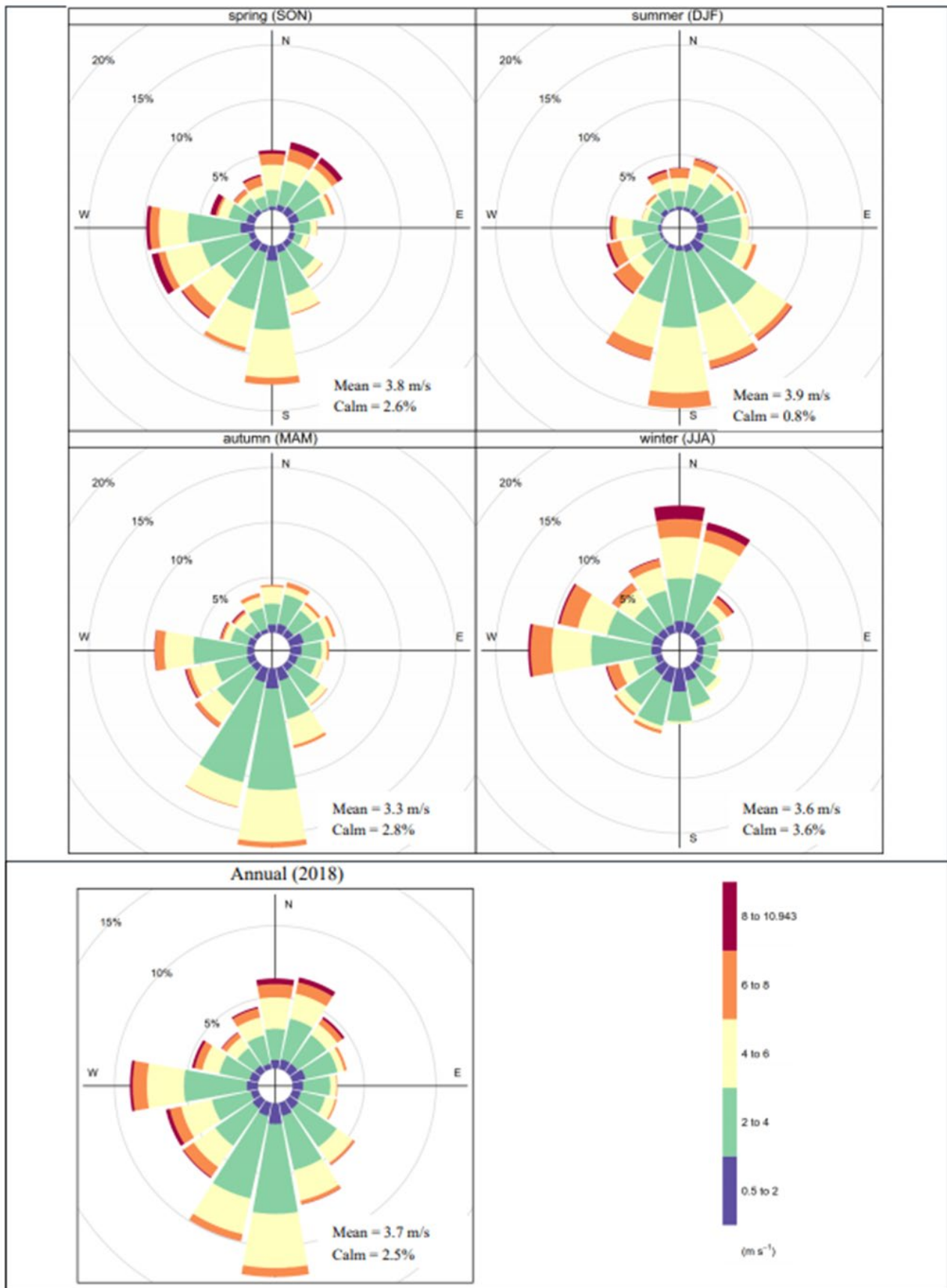


Figure 3.3 - Buronga substation seasonal and annual wind roses for 2018



## 4 Environmental aspects, hazards and impacts

### 4.1 Construction activities

An environmental aspect is an element of an organisation's activities, products, or services that has or may have an impact on the environment (ISO 14001 Environmental management systems). The relationship of aspects and impacts is one of cause and effect.

During the project, the bushfire ignition risk would generally only exist in those areas that are capable of igniting a fire. Ignition of bushfires may result from:

- electrical sparks and sparks from vehicles;
- hot parts of vehicles coming into contact with dry/combustible vegetation;
- electrical faults during testing;
- chemical fires;
- use of diesel powered equipment;
- sparks from activities such as hot works, vegetation slashing and use of grinders;
- inappropriate storage of fuels and chemicals;
- inappropriate discarding of lit cigarettes;
- use of open flames; and
- arson.

### 4.2 Locations of hazards

Fire hazard is any material that can fuel a fire. They can be made of up of solid combustible material, flammable liquid or gas, and electrical hazards. The source material and location of fire hazard sources are provided in Table 4.1 below and in Appendix A. Appendix A also identified the risk levels of the relevant hazards. The risk level for the physical hazards are based on the NSW RFS' vegetation category for bushfire prone areas, while the risk for electrical and chemical hazards are based on a risk matrix.

The site induction will include training material covering the appropriate handling procedure to respond to potential fire outbreaks and measures to prevent or minimise the potential fire outbreak. Safe work method statements will identify activities that involves hot works and/or the use of fire hazard material identified in Table 4.1. The type of fire hazard material will determine the appropriate fire response procedure to be actioned in the event a fire outbreak is to occur. Refer to Section 8.1 for the procedure manage the hazards.

**Table 4.1 - Location of fire hazards**

| Type of material | Source material                                                                                                                                                                                  | Indicative location                                         |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| Physical         | Hot works activities including: <ul style="list-style-type: none"> <li>• welding, cutting and soldering;</li> <li>• grinding; and</li> <li>• use of oxyacetylene torch or blow torch.</li> </ul> | Work areas                                                  |
|                  | Vegetation clearing including: <ul style="list-style-type: none"> <li>• chainsaw operation;</li> <li>• slashing;</li> <li>• mulching;</li> <li>• mowing; and</li> </ul>                          | Work areas<br>Establishment and ongoing maintenance of APZs |

| Type of material | Source material                                                                                                                                                                                                            | Indicative location                                                                                                                                              |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                  | <ul style="list-style-type: none"> <li>brush cutting.</li> </ul>                                                                                                                                                           |                                                                                                                                                                  |
|                  | Sparks from physical contact such as machinery striking loose rocks during earthwork activities                                                                                                                            | Work areas                                                                                                                                                       |
|                  | Stockpiles of trimmed / cleared vegetation                                                                                                                                                                                 | <ul style="list-style-type: none"> <li>Transmission line easement</li> <li>Buronga earthworks material site</li> <li>Construction compounds</li> </ul>           |
|                  | Smoking / cigarettes                                                                                                                                                                                                       | <ul style="list-style-type: none"> <li>Any area where smoking is permitted</li> <li>Waste bins</li> </ul>                                                        |
|                  | Hot surfaces on mobile equipment/vehicles                                                                                                                                                                                  | Location of mobile equipment                                                                                                                                     |
| Chemical         | <ul style="list-style-type: none"> <li>Open flame</li> <li>Liquefied petroleum gas (i.e. gas cylinder)</li> <li>Cleaning products</li> </ul>                                                                               | Accommodation camps particularly the kitchen area                                                                                                                |
|                  | <ul style="list-style-type: none"> <li>Diesel and petrol fuel</li> </ul>                                                                                                                                                   | <ul style="list-style-type: none"> <li>Chemical storage area within the construction compound</li> <li>Work area</li> <li>Designated refuelling areas</li> </ul> |
|                  | <ul style="list-style-type: none"> <li>Pesticides and herbicides</li> <li>Other flammable chemicals</li> </ul>                                                                                                             | <ul style="list-style-type: none"> <li>Chemical storage area within the construction compound</li> <li>Work area</li> </ul>                                      |
| Electrical       | <ul style="list-style-type: none"> <li>Electrical wiring and panel board</li> <li>Use of halogen lamps</li> <li>Extension cords</li> <li>Power boards and electrical power points</li> <li>Electrical equipment</li> </ul> | Construction compound and accommodation camps                                                                                                                    |
|                  | <ul style="list-style-type: none"> <li>Electrical equipment</li> <li>Electrical wiring and panel boards</li> <li>Extension cords</li> <li>Use of halogen lamps</li> </ul>                                                  | Work areas                                                                                                                                                       |

### 4.3 Bushfire risk

Bushfire risk is defined as the chance of a bushfire occurring that will have harmful consequences to human communities and the environment. Bushfire risk has two elements:

- likelihood - the chance of a bushfire occurring; and
- consequence - the impact of a bushfire when it occurs.

Risk reduction can be achieved by reducing the likelihood of a bushfire, reducing the opportunity for a bushfire to spread and reducing the bushfire impacts on natural and built environment. Management measures to be implemented during construction are described in the following section. To minimise impacts, the management measures outlined in Table 10.1 will be applied.

### 4.4 Impacts

The severity of bushfire impacts will depend on a number of factors. Primarily impacts will be dependent on the nature, extent and magnitude of construction activities and their interaction with the natural environment. Potential impacts attributable to the project might include:

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- damage to surrounding land and third party assets;
- human health impacts, ranging from smoke inhalation to burns or potential fatalities;
- damage to flora, fauna and local ecosystem;
- damage to heritage items;
- degradation of air quality resulting from fire and smoke; and
- financial and reputational impacts.

Generally, the consequences of bushfire impact for the project during construction ranges from moderate to catastrophic without the implementation of management measures. The magnitude of the potential impacts will be subject to factors such as intensity and the extent of the fires, which are dependent on fuel loads and weather.



## 5 Bushfire and fire hazard awareness training

All site personnel will undergo the Elecnor site induction prior to the personnel participating in on-site construction activities. The induction training addresses elements relating to emergency management including, but not limited to:

- evacuation procedures;
- emergency contact details;
- details of permissible activities during Total Fire Ban Days; and
- location of fire-fighting water supplies and equipment.

Targeted training in the form of toolbox talks or specific training will also be delivered to personnel with a key role in emergency management. Examples of training topics include:

- establishment and maintenance of asset protection zones;
- management of flammable chemicals;
- participate in an emergency response;
- lead an emergency response; and
- onsite rapid fire response.

Records of training, including attendance, will be retained by Elecnor.

### 5.1 Site induction and training requirements

The Supervisor, Health and Safety team or delegate is responsible for the induction of new staff members, contractors, visitors and site users. The induction will include, but not be limited to:

- information about the construction site in the context of bushfire;
- fire weather awareness and preparedness requirements;
- permissible activities;
- familiarisation and training in safe and effective use of the provided fire safety equipment;
- response to an emergency warning being issued by fire authorities;
- fire reporting and response actions to a smoke sighting or fire starting; and
- onsite and offsite emergency arrangements, including but not limited to evacuation process and assembly locations.

### 5.2 Staff briefing and toolbox talks

All ground personnel must be briefed on how to avoid a fire ignition and what to do in a fire or bushfire. These briefings will take form through toolbox talks and the above site induction requirements. Elecnor will ensure that all personnel are informed of site-specific fire and emergency procedures as part of toolbox talks given at:

- the commencement of each bushfire season;
- new starter induction; and
- daily during the bushfire season (pre-start briefings).

### 5.3 Risk from fires burning near transmission powerlines and electricity arcing

As per the National Guidelines on Electrical Safety for Emergency Service Personnel (ENA 2006):

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'Large fires burning adjacent to or under high voltage transmission lines have the potential to create electrical arcs (known as "flashovers") that can endanger people, animals and objects. The combination of dense smoke and hot gases generated by a large fire directly under or near a high voltage transmission line can create a conductive path that increases the potential for a flashover. A flashover is when electricity, especially at higher voltages, jumps across an air gap to create a conductive path. A flashover may occur between two wires or from wires to the ground - this may be seen as a flash or heard as an explosion or loud cracking sound.

Under everyday conditions, the height of wires and their separations are designed to be entirely safe. However, a fire burning under or very close to the powerline can increase the distance that an electricity arc can jump. Flashovers are potentially life threatening to a person standing in the near vicinity of the flashover and can also cause damage to nearby equipment.

When there is a fire close to a powerline keep all personnel, vehicles and attachments at least 25m clear from the powerline.

## 6 Fire hazard and bushfire prevention

The prevention stage of emergency management includes the identification of hazards, the assessment of threats to life and property and the taking of measures to reduce potential loss to life or property. Prevention is the reduction, elimination or mitigation of emergency risks using an all-hazards approach before an emergency event occurs. The following sections addresses the relevant conditions and RMMs. Refer to *NSW RFS Planning for Bushfire Protection – A guide for councils, planners, fire authorities and developers* for further details bushfire protection measures.

### 6.1 Asset protection zone

An asset protection zone (APZ) provides a low fuel hazard buffer between buildings or other assets and a bushfire hazard (e.g. patches of native vegetation). APZs create a defendable space to manage the flame, radiant heat and ember exposure of the asset and emergency service personnel.

The APZ will be developed during the establishment of fixed construction equipment and camp site buildings. Refer to Appendix B for figures of the APZ. The APZ will remain in place until demobilisation of each area. From the commencement of the works and for every bushfire season throughout the project duration, the APZ must established and maintained in the following manner:

- an APZ of minimum 50m width around fixed construction equipment and occupied buildings such as the site office and accommodation camp buildings unless an alternative fire protection approach that achieves the same level of bushfire risk management is identified by a suitably qualified bushfire specialist;
- the APZs will be regularly maintained to a maximum grass height of 100mm-150mm during the bushfire danger period (1 October to 31 March annually) or when the grassland fuel reaches 70 per cent cured; and
- vegetation inside the main construction compounds and accommodation camp sites will be regularly maintained to a maximum height of 75mm.

The respective construction compound and camp supervisor is responsible for the management and maintenance of the APZ for their area. This will also be supported through visual inspections undertaken by the Environmental Manager or delegate.

Wentworth Accommodation Camp is in the process of being demobilised.

### 6.2 New building establishment

Buildings within the construction compound and accommodation camp sites will be constructed to account for the following:

- to comply with Section 3 and Section 5 of AS 3959-2018-*Construction of Buildings in Bushfire Prone Areas* with a bushfire attack level (BAL) of 12.5;
- sub-floor space of each building will be enclosed with stainless steel flymesh (or an equivalent alternative solution that achieves the same level of bushfire risk management in compliance with the AS3959-2018) securely fixed to the external wall/s and buried into the ground.
- all joints will be overlapped and sealed; and
- installation of security measures such as security fencing and CCTV to monitor the actions of unauthorised persons during the bushfire danger period to minimise the risk of an arson attack being successful. The security measures to be implemented at each key location will be determined using a risk based approach.

Prior to the occupation of the construction compound and camp sites, all bushfire protection management measures at the compounds and camps will be certified as compliant in accordance with relevant regulatory requirements by a suitably qualified bushfire consultant.

### 6.3 Management of onsite activities including hot works

All hot works activities will be undertaken in accordance with the relevant processes and measures prescribed in Transgrid's *Hot Work and Fire Risk Work Procedure* (D2012/04610). If a Project-specific Fire Risk Management Plan is prepared, all hot works will occur in accordance with that plan once approved/endorsed/not rejected by Transgrid. Any Fire Risk Management Plan prepared for the project will, as a minimum, mirror the requirements of Transgrid's *Hot Work and Fire Risk Work Procedure* (D2012/04610).

Hot works is any action that involves high temperatures, which includes but is not limited to the following activities:

- grinding;
- welding; and
- thermal or oxygen cutting or heating.

In accordance with Transgrid's *Hot Work and Fire Risk Work Procedure*, the following equipment (as a minimum) will be available while undertaking hot works:

- rake-hoe or shovel;
- either of the following:
  - a water knapsack spray pump of minimum 16L capacity filled with water;
  - a fire extinguisher (liquid type) of minimum 9L capacity; or
  - a dry powder type extinguisher of minimum 0.9kg capacity; and
- a trained operator will be present.

Welding screens or other alternative flameproof material barricades (as required) will be positioned adjacent to the work area when undertaking hot works within and adjacent to the construction compound and camp sites.

When undertaking hot works on the transmission line, a dedicated fire trailer (minimum 600L) or similar must be present at the location of the hot works. Additionally, the work area must be pre-wetted prior to commencing the hot works activity and wet down during works as required to manage the risk of ignition.

Any personnel undertaking hot works will be provided with the appropriate level of training on how to operate fire extinguishing equipment in a safe and effective manner to provide a rapid response to extinguish minor fires that may occur. Research and fire investigation have found that the majority of hot work fires break out up to one hour after the completion of the work. Hot work ignition sources can get into areas not easily seen, providing the opportunity to smoulder for lengthy periods before breaking out into fire.

Fire outbreaks should be monitored for during and after hot works activity. On days of Extreme or above bushfire risk rating, monitoring for fire outbreaks should occur up to 1 hour after the cessation of hot works activities.

#### 6.3.1 Total fire ban days

A total fire ban (TOBAN) day is a day declared by NSW RFS, due to extreme weather conditions or when widespread fires are seriously stretching firefighting resources. When declared, it

prohibits the lighting of any fires in the open air and prohibits other activities from being carried out that may start a fire, which includes Hot Work.

In accordance with Transgrid's *Hot Work and Fire Risk Work Procedure* (unless otherwise undertaken in accordance with the project's Fire Risk Management Plan once endorsed/not rejected by Transgrid), there must not be any outdoor hot works undertaken during TOBAN, unless authorised under an exemption issued by the NSW RFS.

During a TOBAN, Hot Work 'in the open' for construction, essential repairs or maintenance, must be carried out in accordance with the following:

- in accordance with conditions of the NSW RFS general exemption;
- be lit, maintained or used in a manner that will prevent its escape;
- have adequate firefighting equipment immediately available;
- suitable fire suppression unit present on site for immediate use; and
- have a Hot Work Permit completed.

#### **6.3.1.1 Hot work during a TOBAN with a Catastrophic Fire Danger Rating**

No hot work can be undertaken on a TOBAN Day with a catastrophic fire danger rating, unless the activity is required for essential or emergency work (included works required to restore parts of the network, including transmission lines assets or HV apparatus, works required to ensure staff or public safety and works requested to be undertaken by Government agencies).

In addition to the above requirement, any Hot Work proposed on TOBAN Day with a catastrophic fire danger rating, requires approval by the Transgrid Head of Infrastructure Delivery Programs or equivalent.

### **6.4 Management of flammable chemicals**

The inappropriate storage of incompatible or flammable chemicals have the potential to cause a chemical fire or explosion. Storage and maintenance of flammable material will be in accordance with the safety data sheet given by the manufacturers or importers and generally in accordance with AS 1940-2017. Hazards and risk will be identified through a risk assessment form and where hazards are identified, the risk shall be reduced as far as practicable by through the preferred order of control methods (hierarchy of controls) as follows:

- Elimination - removing the hazard or hazardous work practice from the workplace so it is no longer present-the most preferred and most effective measure;
- Substitution - substituting or replacing the purchase / use of a hazardous chemical with a compatible less hazardous chemical;
- Isolation - isolating or separating the hazard or hazardous work practice from those not involved in the work, or the general work areas;
- Engineering - modifications to storage methodology or providing guarding, to prevent contact with the hazard or hazardous work practice, and increasing ventilation to reduce any inhalation or skin exposure to a hazardous substance;
- Administrative - making changes to procurement strategy to reduce the duration and quantity of storage or make changes to timing of procurement so incompatible chemicals are not stored concurrently; and
- Personal Protective Equipment - providing employees with suitable personal protective equipment to minimise body contact with the hazard. This measure is a last resort and should be used in circumstances where other methods of control are not practicable—it is the least preferred measure.

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The following management measures will be implemented during chemical storage:

- all chemicals will be placed in a secure bunded area during storage;
- spill kits and suitable fire extinguishers will be kept near the storage area;
- all chemicals should be managed and stored in accordance with safety data sheet requirements to reduce the risk of fire starting;
- store incompatible chemicals in separate storage areas if possible. Otherwise incompatible chemicals are to be separated with adequate spacing within the same storage areas;
- eliminate any ignition sources near the storage of flammable chemicals where possible. Otherwise provide adequate spacing, non-flammable covers or screens between potential ignition source and flammable chemicals; and
- no hot work (grinding, heating, welding etc.) near the flammable liquid storage areas so far as reasonably practicable, or otherwise provide non-flammable covers or screens to control sparks and flash.

## 7 Fire and bushfire preparedness

### 7.1 Availability of this plan

Two physical copies of this plan will be placed in a prominent position adjacent to the site entry point of the Buronga substation at all times. This plan will also be available through the project document control system.

### 7.2 Fire watch observer

Fire watching is a continuous inspection/observation of the work site and its vicinity by nominated personnel. The decision to appoint a fire watch observer is made based on the risks on the particular day and is to be detailed on the Hot Works Permit issued for the activity being undertaken. The fire watch observer will be trained in their roles and responsibilities prior to undertaking the works.

The fire watch observer should:

- be alert for any fire outbreak or hazards;
- take immediate action to combat any outbreak of fire that may occur;
- not allow hot work to proceed outside the specified area;
- immediately stop the work if a hazardous condition is observed;
- be aware of the need to use PPE where hot work involves welding or cutting; and
- note the location of nearest fire extinguisher.

### 7.3 Onsite preparedness activities

A well prepared site is more likely to survive a bushfire or ember attack. As such, key areas (e.g. camps and compounds) are to be prepared for the upcoming bushfire season and maintained, where required, or in the event that a bushfire alert has been raised for Wentworth local government area.

The following activities should only be undertaken when and where safe to do so. Fires can start and spread rapidly without warning, therefore, in some instances it may be safer to not undertake the activity, especially when the risk of a bushfire is imminent.

The preparedness activities are as follows:

- maintain the APZ as detailed in Section 6.1 (this is not required to be undertaken where a bushfire alert has been raised);
- isolate flammable material/chemicals such as gas cylinders to minimise risk to people and other work areas, where practical and safe to do so by competent personnel;
- any potential flammable material such as vegetation stockpiles within or adjacent to camps and compounds are to be isolated, where practical and safe to do so;
- clear and remove all the debris and leaves from the gutters and drainage lines;
- close the lids of waste bins;
- check generators are in proper working conditions;
- check the capacity of dedicated fire-fighting static water supply tanks are available;
- check dedicated fire-fighting equipment are in proper working condition; and

- maintain a clear access for NSW RFS fire trucks or other emergency vehicles to enter key areas such as camps and compounds where required.

## 7.4 Fire-fighting water supplies and equipment

Table 7.1 outlines the respective fire-fighting water supplies and equipment resources which will be available at accommodation camps and/or construction compounds and at the work front/work locations to respond to localised fire. The relevant site supervisory personnel will have the appropriate level of training on how to operate fire extinguishing equipment in a safe and effective manner.

**Table 7.1 - Fire-fighting water supplies and equipment at respective locations**

| Minimum equipment to be available and deployed for all hot work and Fire risk work in a hazardous area or during the Declared Fire Danger Period                                                                                                                                                                                                                                                                                   | Minimum equipment to be available at accommodation camps and/or construction compounds                                                                                                                                                                                                                                                                                                                                                                                                        | Minimum equipment to be available at work front/work locations to respond to localised fire                                                                                                                                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• Rake-hoe or shovel; and</li> <li>• A water knapsack spray pump of minimum 16L capacity filled with water, or fire extinguisher (liquid type) of minimum 9L capacity, or dry powder type extinguisher of minimum 0.9kg capacity.</li> <li>• Dedicated fire trailer (minimum 600L) or similar is required at the works location for hot works on the transmission line easement.</li> </ul> | <ul style="list-style-type: none"> <li>• Dedicated fire-fighting static water supply tanks (steel-shielded or concrete water tanks) will be provided at each construction compound and accommodation camp area.</li> <li>• All static water supply tanks will have an all weather access track with a minimum width of 4m.</li> <li>• Dedicated firefighting equipment such as fire-fighting hose reels that are compatible with 65 mm Storz fitting and FRNSW suction connection.</li> </ul> | <ul style="list-style-type: none"> <li>• Fire-fighting appliances such as a 'slip-on' fire-fighting unit, tanker trailers or water cart will be available during periods of heightened fire danger.</li> <li>• Water filled knapsacks.</li> <li>• Shovels or rake hoes</li> <li>• Fire extinguisher located within vehicles.</li> </ul> |

## 7.5 Access and egress for emergency vehicles

In bushfire prone areas it is an essential to provide appropriate access for emergency services in the event of an emergency as well as appropriate exit routes in the event that an evacuation is necessary. Appendix 3 of the NSW RFS 2019 *Planning for Bushfire Protection – A guide for councils, planners, fire authorities and developers* provides design principles and specifications for emergency service vehicle access. These principles and specifications will be determined during the detail design phase which includes the following:

- turning requirements such as minimum curve radius and sweep path width;
- turning requirements for dead end roads to avoid multipoint turns;
- passing bays and parking spots to avoid pinch points that impede access; and
- width of property access roads.

Given the long linear nature of the transmission line project and fencing of private property, access to the project access track and the transmission corridor is available through nominated access and egress points shown by the green triangle in the figures provided in Appendix C. The access and egress points will be provided to the local Fire Control Centre.



## 8 Emergency response

### 8.1 Fire and incident controller

The procedure below is to be follow for managing onsite emergency and incidents:

1. Assess the situation;
2. Identify support that may be required and the potential level of the incident;
3. Respond to the incident;
4. Notify PIC; and
5. Monitor situation and periodically reassess, where required.

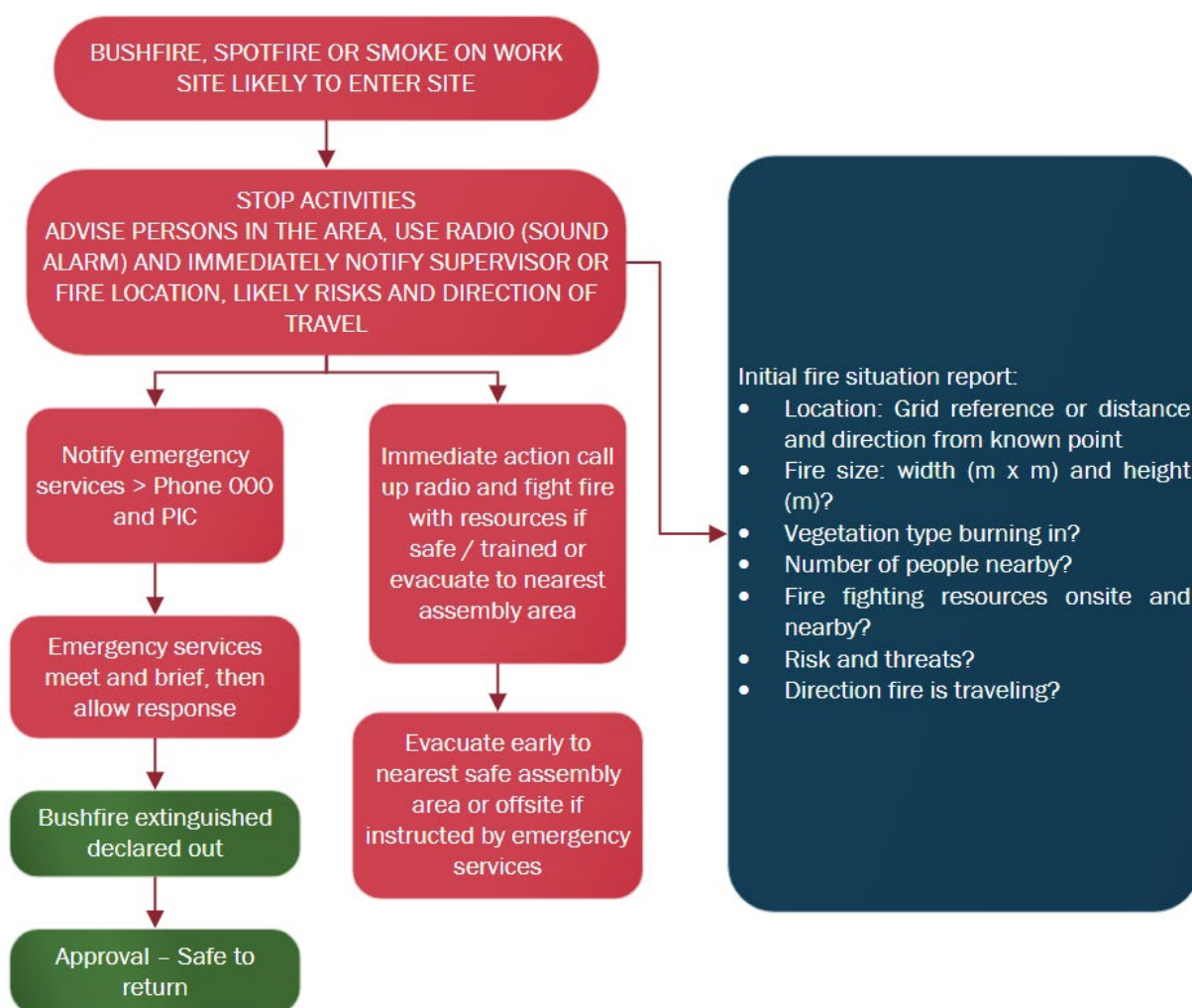
In the event of an emergency, the Person In Charge (PIC) or their delegate will function initially as the Incident Controller (IC) until replaced by responding external fire authority IC. The replacement will occur on the arrival of the external fire authority IC and following a handover briefing.

The IC shall ensure the necessary parties are notified of existing bushfire in accordance with Table 9.1. In the event of ignition on site, the IC shall consider the deployment of trained personnel to provide a rapid response attack if safe to do so.

### 8.2 Rapid response attack for bushfires

Site personnel are not employed as firefighters and are not expected to combat bushfires on the site. However, relevant site supervisory personnel will have the appropriate level of training on how to operate fire extinguishing equipment in a safe and effective manner. Such that in the event of a fire ignition on site, these trained personnel will be capable of providing a rapid response to extinguish minor fires and to prevent escalation to bushfire.

The bushfire and fire response procedure, provided in Figure 8.1, would be implemented in the event there is a fire onsite or in the vicinity of the site. It is important to highlight that in the event of a fire, it is critical to remain calm and do not panic or shout. Rescue and/or help any people in immediate danger (only if it safe to do so). Personnel should only carry out the procedure if safe to do so.



**Figure 8.1 - Bushfire and fire response procedure**

After carrying out the bushfire and fire response procedure, the Elecnor Australia *Incident and Injury Management Standard* (PI.AUS.GEN-11.010) will be followed for safety incidents and if required, the incident will be managed and reported in accordance with Section 8 of the CEMP.

### 8.3 Rapid response near powerlines

Major powerlines are critical infrastructure. They support essential community services and their de-energisation may have significant impact on public safety. Some smaller lines directly service critical sites such as sewerage, water and communication facilities.

Therefore site personnel should not attempt fire control activities near energized lines. All fires underneath or near a powerline should be reported to the Supervisor as soon as possible. In the event there is a fire near powerlines, early notification will be communicated to Transgrid or the respective electricity company/transmission line asset owner to allow an assessment of risks associated with deenergising the powerline.

Site supervisory personnel should be aware that fire in the vicinity of powerlines introduces additional hazards for electrocution and spark. Site personnel should be aware of the following aspects in relation to fire under powerlines:

- do not attempt to control fires in cleared areas beneath powerlines;
- do not spray water from the ground or air on or near powerlines or insulators;

- wait for fire to burn clear of the cleared areas beneath the powerlines before commencing a mop-up operation;
- at all times treat the powerline as live until clearance has been given by powerline company personnel onsite;
- at all times keep personnel and vehicles at a minimum of 25m clear of a fire burning under or within 25m of the powerlines;
- when working near or under live powerlines, approach no closer than 25m to the fire edge to conduct mop-up of grass fires;
- mop-up may include the knockdown of low (less than 2m high) isolated flames, spots and/or smouldering logs which are not producing a convection column or heavy smoke plume. In such cases:
  - never direct the hose stream into the powerline;
  - never direct the hose stream into a smoke plume that is near (less than 25m from) or reaching powerlines. Keep stream no higher than a person's head height;
  - never direct the hose stream at a burning bush or tree (more than head height) in a powerline easement;
- bushes or trees burning in powerline easement present a real threat of creating a flashover to earth from powerlines - KEEP AT LEAST 25m CLEAR; and
- when crossing powerline easement, ensure there is adequate clearance (which will vary between 3m to 8m depending on the voltage of the line) between the highest point of the vehicle (including aerials) and powerlines, avoiding areas with tall vegetation under lines.

The Elecnor Australia *Incident and Injury Management Standard* (PI.AUS.GEN-11.010) will be followed for safety incidents and if required, the incident will be managed and reported in accordance with Section 8 of the CEMP.

#### **8.4 Where to go - managed evacuation**

If require, the PIC (or their delegate) will coordinate a managed evacuation in consultation with the relevant Emergency Services Agency. Site personnel should not self-evacuate. Options for offsite evacuation include but are not limited to:

- nominated evacuation assembly points; or
- nominated low fire risk area.

The evacuation procedure and assembly points are addressed in the *Emergency Preparedness and Response Plan* (45860-HSE-PL-G-1015).

## 9 Communication

### 9.1 Emergency contact details

Emergency and stakeholders contacts details for the project is provided in Table 9.1 below.

**Table 9.1 - Emergency and stakeholder contact details**

|                                                                                                                                              |                                                                                                                                   |                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>Emergency Contacts</b>                                                                                                                    |                                                                                                                                   |  |
| <b>IN AN EMERGENCY and FOR ALL FIRES: DIAL 000 (TRIPLE ZERO)</b>                                                                             |                                                                                                                                   |                                                                                     |
| <b>Secondary Emergency Call from Mobiles: Dial 112</b>                                                                                       |                                                                                                                                   |                                                                                     |
| <b>DO NOT CALL 000 FOR INFORMATION OR ADVICE. CALLING 000 UNNECESSARILY MAY PUT OTHERS WHO ARE IN A GENUINE EMERGENCY SITUATION AT RISK.</b> |                                                                                                                                   |                                                                                     |
| All emergencies including bushfires                                                                                                          | Dial 000                                                                                                                          |                                                                                     |
| <b>Elecnor Site Personnel</b>                                                                                                                |                                                                                                                                   |                                                                                     |
| Deputy Project Director                                                                                                                      | Phone: +61 492 858 108<br>Email: garrien@elecnor.es                                                                               |                                                                                     |
| Health and Safety Manager                                                                                                                    | Phone: +61 434 540 028<br>Email: rfbrache@elecnor.es                                                                              |                                                                                     |
| Environmental Manager                                                                                                                        | Phone: +61 420 974 540<br>Email: rebecca.walker-edwards@elecnor.es                                                                |                                                                                     |
| <b>NSW RFS</b>                                                                                                                               |                                                                                                                                   |                                                                                     |
| NSW RFS – current fire information                                                                                                           | <a href="https://www.rfs.nsw.gov.au/fire-information/fires-near-me">https://www.rfs.nsw.gov.au/fire-information/fires-near-me</a> |                                                                                     |
| NSW RFS Bush Fire Information Line                                                                                                           | 1800 NSW RFS (1800 679 737)                                                                                                       |                                                                                     |
| <b>Stakeholders (to be notified in the event of a fire)</b>                                                                                  |                                                                                                                                   |                                                                                     |
| Transgrid (emergencies)                                                                                                                      | 1800 027 253                                                                                                                      |                                                                                     |
| NSW RFS Lower Western                                                                                                                        | (03) 5027 4422                                                                                                                    |                                                                                     |
| <b>Other information (non-emergency)</b>                                                                                                     |                                                                                                                                   |                                                                                     |
| NSW Police Wentworth (not 24 hours)                                                                                                          | (03) 5898 4970                                                                                                                    |                                                                                     |
| NSW Ambulance                                                                                                                                | 131 233                                                                                                                           |                                                                                     |
| State Emergency Service                                                                                                                      | 132 500                                                                                                                           |                                                                                     |

### 9.2 External communication

Elecnor will use a range of tools in accordance with the *Community and Stakeholder Engagement Management Plan* (45860-CM-PL-G-1001) to facilitate consultation and communication with the NSW RFS in relation to the project. Communication tools include, but are not limited to email updates, phone calls and meetings/briefings, where required. Table 9.2 outlines when and how NSW RFS will be notified.

**Table 9.2 - Notifying NSW RFS**

| Event                                                                                         | Notification procedure                                                                                                                                                                      | Timing                                                                        |
|-----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| A fire on-site or in the vicinity of the site that requires NSW RFS assistance to extinguish. | In accordance with the bushfire and fire response procedure as provided in Figure 8.1:<br>1. Remain calm and Stop activities nearby.<br>2. Alert site supervisor or Health and Safety team; | As soon as practical once site personnel is out of danger (if safe to do so). |

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| Event                                                                                                                               | Notification procedure                                                                                                                                                                                                                                                                                                                                               | Timing                                                                                                                           |
|-------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                     | <ol style="list-style-type: none"> <li>3. Site supervisor or Health and Safety team to notify NSW RFS by dialling 1800 NSW RFS (1800 679 737);</li> <li>4. Site supervisor or Health and Safety team to instruct site personnel to move to the evacuation assembly point; and</li> <li>5. Upon NSW RFS arrival, inform the firefighters of the situation.</li> </ol> |                                                                                                                                  |
| Any activities on site that would have the potential to ignite surrounding vegetation.                                              | The project will regularly update and communicate with NSW RFS via email (and/or other communication mediums) when the project plans to carried out activities that have the potential to ignite surrounding vegetation (particularly hot works and vegetation slashing).                                                                                            | Regular updates (depending on the schedule of the relevant activities that have the potential to ignite surrounding vegetation). |
| Any proposed activities to be carried out during a bushfire danger period that have the potential to ignite surrounding vegetation. | Prior to bushfire danger period, the project will notify and communicate with NSW RFS via email (and/or other communication mediums) if the project plans to undertake activities that have the potential to ignite surrounding vegetation during a bushfire danger period (1 October to 31 March, however it may vary due to local condition).                      | Prior to bushfire danger period, i.e. prior to 1 October (however it may vary due to local condition).                           |

### 9.3 Emergency communication

In an emergency crisis such as a bushfire, it is vital that all communication is clear, consistent and timely. This not only refers to communication within the Elecnor organisation but communication to Transgrid, relevant stakeholders, the media, and the wider community.

As such, the *Incident and Crisis Communication Management and Reporting Procedure* (Appendix D of the Community and Stakeholder Engagement Plan) outlines how Elecnor will manage communication in the event that an emergency or crisis impacts the project.

## **10 Emergency management measures**

A range of requirements and mitigation measures are identified in the EIS, Amendment Report and Infrastructure Approval. Specific emergency related safeguards and management measures for the project are outlined in Table 10.1.

**Table 10.1 - Bushfire management measures**

| ID                                         | Measure / Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | When to implement                 | Responsibility                                            | Source document                                                                                |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----------------------------------------------------------|------------------------------------------------------------------------------------------------|
| <b>Training and awareness</b>              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                   |                                                           |                                                                                                |
| BF1                                        | Training will be provided to all project personnel, including relevant sub-contractors on bushfire prevention and management measures and the requirements from this plan through inductions, toolboxes and targeted training.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Pre-construction and construction | Environmental Manager, Health and Safety team             | Good practice                                                                                  |
| BF2                                        | Relevant site supervisory personnel and personnel undertaking hot works activity will have the appropriate level of training on how to operate fire extinguishing equipment in a safe and effective manner.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Pre-construction and construction | Health and Safety team                                    | Good practice                                                                                  |
| <b>Fire hazard and bushfire prevention</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                   |                                                           |                                                                                                |
| BF3                                        | <p>No outdoor hot works will be undertaken during periods of Total Fire Ban Days, unless there is:</p> <ul style="list-style-type: none"> <li>• in accordance with conditions of the NSW RFS general exemption;</li> <li>• be lit, maintained or used in a manner that will prevent its escape;</li> <li>• have adequate firefighting equipment immediately available;</li> <li>• suitable fire suppression unit present on site for immediate use; and</li> <li>• have a Hot Work permit completed.</li> </ul> <p>No hot work can be undertaken on a Total Fire Ban Days with a catastrophic fire danger rating, unless the activity is required for essential or emergency work (included works required to restore parts of the network, including transmission lines assets or HV apparatus, works required to ensure staff or public safety and works requested to be undertaken by Government agencies).</p> | Construction                      | Supervisor, Environmental Manager, Health and Safety team | RMM HR7<br>Condition D47 d)<br>Transgrid's Hot Work and Fire Risk Work Procedure (D2012/04610) |
| BF4                                        | No hot work (grinding, heating, welding etc.) near the flammable liquid storage areas so far as reasonably practicable, or otherwise provide non-flammable covers or screens to control sparks and flash.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Construction                      | Supervisor                                                | Good practice                                                                                  |
| BF5                                        | Monitor for fire outbreaks during and after hot works activities. On days of Extreme or above bushfire risk rating, monitoring for fire outbreaks should occur up to 1 hour after the cessation of hot works activities.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Construction                      | Supervisors                                               | Good practice                                                                                  |
| BF6                                        | <p>A 50m wide asset protection zone will be implemented around the perimeter of fixed construction equipment and camp site buildings.</p> <p>Otherwise, consult with a suitably qualified bushfire specialist for alternative fire protection management measures that achieves that same level of bushfire risk management as the APZ.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Pre-construction                  | Supervisor, Project Manager, Health and Safety team       | Condition D47 j)<br>RMM HR2                                                                    |

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| ID   | Measure / Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | When to implement                 | Responsibility                                      | Source document                         |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----------------------------------------------------|-----------------------------------------|
| BF7  | All asset protection zones will be maintained to a maximum grass height of 100mm -150mm during prescribed Bushfire Danger Period (1 October to 31 March) or when the grassland fuel reaches 70 per cent cured.<br><br>Grass inside the main construction site compounds and accommodation camp sites will be maintained to a maximum height of 75mm.                                                                                                                                                                                                                                                       | Construction                      | Supervisor, Project Manager                         | Condition D47 j)<br>RMM HR2             |
| BF8  | Provision of emergency access routes are implemented in accordance the detailed design, which takes into account considerations from emergency services, including the Rural Fire Service and Fire and Rescue NSW (FRNSW).                                                                                                                                                                                                                                                                                                                                                                                 | Pre-construction and construction | Environmental Manager, Health and Safety team       | Condition D47 g)<br>RMM HR5             |
| BF9  | Occupied buildings such as construction compound sites and accommodation camp sites will be constructed to comply with Section 3 and Section 5 (Bushfire attack level [BAL] 12.5) of A.S. 3959-2018 - <i>Construction of Buildings in Bushfire Prone Areas</i> .<br><br>The sub-floor space of each building will be enclosed with stainless steel flymesh (or an equivalent alternative solution that achieves the same level of bushfire risk management in compliance with the AS3959-2018) securely fixed to the external wall/s and buried into the ground. All joints will be overlapped and sealed. | Pre-construction and construction | Supervisor, Project Manager                         | RMM HR3                                 |
| BF10 | Prior to the occupation of the construction compound sites and accommodation camp sites, all bushfire protection management measures will be certified as compliant in accordance with relevant regulatory requirements by a suitably qualified bushfire consultant.                                                                                                                                                                                                                                                                                                                                       | Pre-construction                  | Supervisor, Project Manager, Health and Safety team | RMM HR6                                 |
| BF11 | Security measures such as security fencing, CCTV will be implemented to minimise the risk of arson within and adjoining construction areas. The security measures implemented at each key location will be determined using a risk based approach.                                                                                                                                                                                                                                                                                                                                                         | Pre-construction and construction | Supervisor, Project Manager, Health and Safety team | RMM HR11                                |
| BF12 | All chemicals should be managed and stored in accordance with safety data sheet requirements to reduce the risk of fire starting.                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Pre-construction and construction | Supervisor, Environmental Manager                   | Condition D47 f)<br>Safe Work Australia |
| BF13 | Chemical storage areas should be isolated from people and other works areas, where possible.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Pre-construction and construction | Supervisor, Environmental Manager                   | Condition D47 f)<br>Safe Work Australia |
| BF14 | Store incompatible chemicals in separate storage areas if possible. Otherwise incompatible chemicals are to be separated with adequate spacing within the same storage areas.                                                                                                                                                                                                                                                                                                                                                                                                                              | Pre-construction and construction | Supervisor, Environmental Manager                   | Condition D47 f)<br>Safe Work Australia |
| BF15 | Eliminate any ignition sources near the storage of flammable chemicals where possible. Otherwise provide adequate spacing or provide non-flammable covers or screens between potential ignition source and flammable chemicals.                                                                                                                                                                                                                                                                                                                                                                            | Pre-construction and construction | Supervisor, Environmental Manager                   | Condition D47 f)<br>Safe Work Australia |

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| ID                                    | Measure / Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | When to implement                 | Responsibility                                      | Source document                                                            |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----------------------------------------------------|----------------------------------------------------------------------------|
| BF16                                  | Remove or isolate potential ignition sources when using flammable chemicals to reduce the risk of a fire starting.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Pre-construction and construction | Supervisor, Environmental Manager                   | Condition D47 f)<br>Safe Work Australia                                    |
| BF17                                  | Inspections will be undertaken ensure that plant and equipment is operating efficiently and safely. Inspection includes observations for fuel leakage, exhaust fumes and electrical sparks / faults.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Construction                      | Supervisors, Plant operators                        | Good practice                                                              |
| <b>Fire and bushfire preparedness</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                   |                                                     |                                                                            |
| BF18                                  | <p>The following resources will be available at the work front/work locations to respond to localised fires:</p> <ul style="list-style-type: none"> <li>• fire-fighting appliances such as a 'slip-on' fire-fighting unit, tanker trailers or water cart should be positioned nearby where possible; or</li> <li>• water filled knapsacks;</li> <li>• shovels; and</li> <li>• fire extinguisher located within vehicles.</li> </ul>                                                                                                                                                                                                                                                                                        | Construction                      | Supervisor                                          | Condition D47 e)                                                           |
| BF19                                  | <p>The following equipment will be available during hot works:</p> <ul style="list-style-type: none"> <li>• rake-hoe or shovel;</li> <li>• either of the following: <ul style="list-style-type: none"> <li>– a water knapsack spray pump of minimum 16L capacity filled with water;</li> <li>– a fire extinguisher (liquid type) of minimum 9L capacity;</li> <li>– a dry powder type extinguisher of minimum 0.9kg capacity; and</li> </ul> </li> <li>• a trained operator will be present.</li> </ul> <p>Welding screens or other alternative flameproof material barricade will be positioned adjacent to the work area when undertaking hot works within and adjacent to the construction compound and camp sites.</p> | Construction                      | Supervisor, Project Manager, Health and Safety team | RMM HR7<br>Transgrid's Hot Work and Fire Risk Work Procedure (D2012/04610) |
| BF20                                  | <p>When undertaking hot works on the transmission line easement, the following additional controls / mitigation measures are to be in place:</p> <ul style="list-style-type: none"> <li>• Pre-wet works area prior to hot works commencing and wet down again as necessary during the activity to prevent ignition.</li> <li>• Dedicated fire trailer (or similar) is to be at the location of the hot works to allow for rapid response should ignition occur.</li> </ul>                                                                                                                                                                                                                                                 | Construction                      | Supervisor, Project Manager, Health and Safety team | Good practice                                                              |
| BF21                                  | Dedicated fire-fighting static water supply and equipment (such as fire-fighting hose reels that are compatible with 65 mm Storz fitting and FRNSW suction connection) will be available at camps and compounds.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Pre-construction and construction | Supervisor, Health and Safety team                  | Condition D47 e)<br>RMM HR4                                                |

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| ID                        | Measure / Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | When to implement                 | Responsibility                                            | Source document             |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----------------------------------------------------------|-----------------------------|
| BF22                      | All static water supply tanks will have an all weather access track with a minimum width of 4m.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Construction                      | Supervisor, Project Manager, Health and Safety team       | Condition D47 e)<br>RMM HR4 |
| BF23                      | Fire watch will be undertaken for the work site and its vicinity by nominated personnel. The fire watch observer should: <ul style="list-style-type: none"> <li>be alert for any fire outbreak or hazards;</li> <li>take immediate action to combat any outbreak of fire that may occur;</li> <li>not allow hot work to proceed outside the specified area;</li> <li>immediately stop the work if a hazardous condition is observed;</li> <li>be aware of the need to use PPE where hot work involves welding or cutting; and</li> <li>note the location of nearest fire extinguisher.</li> </ul> | Construction                      | Supervisor, Environmental Manager, Health and Safety team | Good practice               |
| BF24                      | Monitor weather forecasts to determine when adverse bushfire weather conditions are predicted.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Construction                      | Supervisor, Environmental Manager, Health and Safety team | Good practice               |
| BF25                      | Monitor the fire danger ratings on NSW RFS website.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Construction                      | Health and Safety team                                    | Good practice               |
| BF26                      | Inspection of the controls as outlined in Section 7.3 will be undertaken where safe to do so.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Construction                      | Health and Safety team, Supervisor, Environmental Manager | Good practice               |
| BF27                      | Two physical copies of this plan will be placed in a prominent position adjacent to the site entry point of the Buronga substation at all times.                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Pre-construction and construction | Supervisor                                                | Condition D47               |
| BF28                      | The principles within Transgrid's Bushfire Risk Management Plan will be considered during the detailed design stage.                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Detailed design                   | Engineering Manager                                       | RMM HR14                    |
| <b>Emergency Response</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                   |                                                           |                             |
| BF29                      | In the event of a fire ignition on site, trained personnel will provide a rapid response, as outlined in Section 8.2, to extinguish minor fires and to prevent escalation, if safe to do so.                                                                                                                                                                                                                                                                                                                                                                                                      | Pre-construction and construction | Supervisor, Project Manager, Health and Safety team       | Condition D47 c)            |
| BF30                      | Site supervisory personnel should be aware that fire in the vicinity of powerlines introduces additional hazards for electrocution and spark. Refer to Section 8.3 for further details.                                                                                                                                                                                                                                                                                                                                                                                                           | Pre-construction and construction | Supervisor, Project Manager, Health and Safety team       | Condition D47 c)            |

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| ID                   | Measure / Requirement                                                                                                                                                                                                                                                                                                                                                                                   | When to implement                 | Responsibility | Source document  |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|----------------|------------------|
| <b>Communication</b> |                                                                                                                                                                                                                                                                                                                                                                                                         |                                   |                |                  |
| BF31                 | NSW RFS will be notified as outlined in Table 9.2 in the event of the following: <ul style="list-style-type: none"> <li>there is a fire on-site or in the vicinity of the site;</li> <li>any activities on site that would have the potential to ignite surrounding vegetation; or</li> <li>any proposed activities to be carried out during a bushfire danger period that pose a fire risk.</li> </ul> | Pre-construction and construction | Safety Manager | Condition D47 I) |

## 11 Compliance management

### 11.1 Roles and responsibilities

Specific responsibilities for the implementation of mitigation measures are detailed in Section 10 of this EP.

### 11.2 Monitoring

Construction monitoring of bushfire management measures will be undertaken continuously throughout construction. Monitoring program relevant to the bushfire are identified in Table 11.1.

**Table 11.1 - Monitoring program**

| Item                                      | Scope                                                                                                                                                                                                              | Frequency                                                           | Responsibility                          | Records/<br>reporting                        |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|-----------------------------------------|----------------------------------------------|
| Weather and fire danger ratings forecasts | Monitoring of weather forecasts from Mildura Airport AWS to determine when adverse bushfire weather conditions are predicted.<br>Monitoring the Fire Danger Ratings of Wentworth Shire Council on NSW RFS website. | Weekly forecast<br>Daily updates when adverse weather is predicted. | Supervisors                             | BOM website<br>NSW RFS website<br>Pre-starts |
| Vegetation level in APZs                  | Visual inspections of grass height within APZs to ensure APZ grass height is maintained at 100mm-150mm during the bushfire danger period or when the grassland fuel reaches 70 per cent cured.                     | As required during bushfire season                                  | Safety Manager or delegate Camp Manager | Report by exception in Daily Diary           |
| Hot works                                 | Monitor for fire outbreaks during and after hot works activity.<br>Monitor for fire outbreaks up to 1 hour after the cessation of hot works activities on days of extreme or above bushfire risk rating.           | During hot works activities                                         | Supervisors                             | Report by exception in Daily Diary           |
| Fire watch                                | Visual monitoring of the work site and surrounding environment to identify and fire outbreaks or hazards.                                                                                                          | During days of high fire danger rating                              | Supervisors                             | Report by exception in Daily Diary           |

### 11.3 Inspections

Inspections relevant to the bushfire are identified in Table 11.2.

**Table 11.2 - Inspection timing**

| Item                  | Scope                                                                       | Frequency                                                                                              | Responsibility                         | Records/<br>reporting              |
|-----------------------|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------------|
| Bushfire preparedness | Inspection of the controls as outlined in Section 7.3, where safe to do so. | During the bushfire season or in the event a bushfire alert has been raised by Wentworth Shire Council | Safety Manager or delegate Supervisors | Report by exception in Daily Diary |

| Item                    | Scope                                                                                                                                                     | Frequency | Responsibility                                | Records/<br>reporting              |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------------------------------------------|------------------------------------|
| Weekly inspections      | Inspection of the environmental controls and implementation of the bushfire controls mitigation measures outlined in Table 10.1.                          | Weekly    | Environmental Manager or delegate Supervisors | Environmental Inspection Checklist |
| Daily plant inspections | Inspections to ensure that plant and equipment is operating efficiently and safely. Inspect for fuel leakage, exhaust fumes and electrical sparks/faults. | Daily     | Plant operators Supervisors                   | Plant and vehicle Inspection logs  |

## 11.4 Auditing

Audits will be undertaken to assess the effectiveness of the management measures and overall compliance with this plan, and other relevant approvals, licences and guidelines.

Independent audits will be undertaken in accordance with the *Independent Audit Post Approval Requirements* (2020). Independent audit will be undertaken within 12 weeks from the commencement of construction, follow by six-monthly interval for each subsequent audit until the completion of the construction phase of the project, unless otherwise agreed or directed by the Planning Secretary.

The independent audits will be undertaken in accordance with the requirements set out in Section 3 of the *Independent Audit Post Approval Requirements* (2020). At the end of each audit, the auditor is to prepare an independent audit report. Elecnor will review the draft report and provide a response of the audit findings. If the audit findings identifies any noncompliance, the nominated action and completion timing of the action will be provided as part of the response to each non-compliance.

The submission of the independent audit report and Elecnor's response to the audit findings will be submitted to the Department no later than two months from the date of the independent audit site inspection, unless otherwise agreed or directed by the Planning Secretary.

## 11.5 Reporting

Reporting which will be undertaken in accordance with the EP is summarised within Table 11.3.

**Table 11.3 - Reporting program**

| Item          | Scope                                                                                                                                                                                                           | Frequency                                                                                                                      | Responsibility                             | Records/<br>reporting |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----------------------|
| Audit reports | Independent audits undertaken in accordance with the Infrastructure Approval will include audits of emergency management measures (based on the Independent Auditor's program). Audit reports will be prepared. | At intervals, no greater than 26 weeks from the date of the initial Independent Audit or as otherwise agreed by the Secretary. | Environmental Manager/ Independent Auditor | Transgrid DPHI        |

## Appendix A - Location of hazards



FOR INFORMATION ONLY



CLOUGH ELECNOR JOINT VENTURE



N



0 125 250 500  
Meters

Datum: GDA2020 Projection: MGA54  
Scale: 1:10,000 (when printed at A3)

- Legend
- ▲ Structure Locations
  - Project Alignment
  - ▭ Project Site Boundary
- Physical Hazards
- Low Risk
  - High Risk
- Electrical Hazards
- Low

NOTE:

Small quantities of fuel and chemicals are required for refueling activities of plants and equipment during the earthworks and assembly phase of the transmission tower.

The location of fueling and storage facility areas are indicative and may be subject to change during detail design stage.



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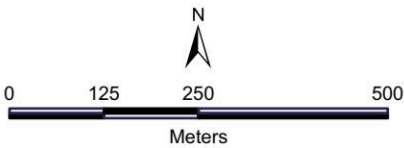
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Hazards for  
Emergency Plan  
Figure 1



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Datum: GDA2020 Projection: MGA54  
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Legend

- ▲ Structure Locations
- Project Alignment
- ▭ Project Site Boundary
- Physical Hazards
  - High Risk
- Electrical Hazards
  - Low

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Hazards for  
Emergency Plan  
Figure 2



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**secureenergy**  
CLOUGH ELECNOR JOINT VENTURE

N

0 125 250 500  
Meters

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Scale: 1:10,000 (when printed at A3)

**Legend**

- ▲ Structure Locations
- Project Alignment
- ▭ Project Site Boundary

**Physical Hazards**

- High Risk

**Electrical Hazards**

- Low

**NOTE:**

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**Hazards for  
Emergency Plan  
Figure 3**

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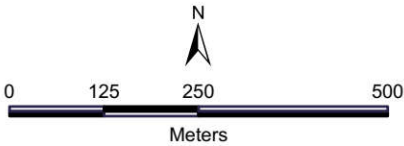
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**Hazards for  
Emergency Plan  
Figure 3**



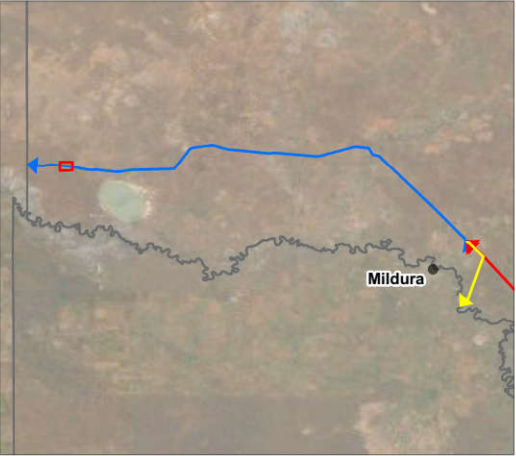


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Legend

- ▲ Structure Locations
- Project Alignment
- ▭ Project Site Boundary
- Physical Hazards
  - Low Risk
  - High Risk
- Electrical Hazards
  - Low

NOTE:  
Small quantities of fuel and chemicals are required for refueling activities of plants and equipment during the earthworks and assembly phase of the transmission tower.  
The location of fueling and storage facility areas are indicative and may be subject to change during detail design stage.



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Hazards for  
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Figure 4





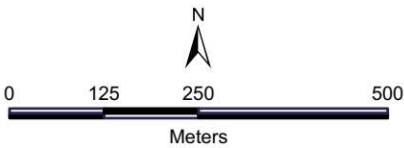


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Legend

- ▲ Structure Locations
- Project Alignment
- ▭ Project Site Boundary
- Physical Hazards
  - Low Risk
  - High Risk
- Electrical Hazards
  - Low

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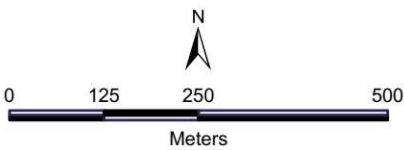
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Hazards for  
Emergency Plan  
Figure 6





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Legend

- ▲ Structure Locations
- Project Alignment
- ▭ Project Site Boundary
- Physical Hazards
  - Low Risk
  - High Risk
- Electrical Hazards
  - Low

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Hazards for  
Emergency Plan  
Figure 7



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CLOUGH ELECNOR JOINT VENTURE



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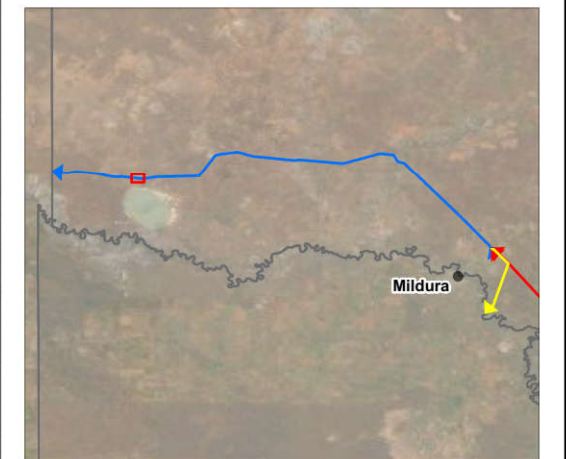
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Legend

- ▲ Structure Locations
- Project Alignment
- ▭ Project Site Boundary
- Electrical Hazards
  - Low

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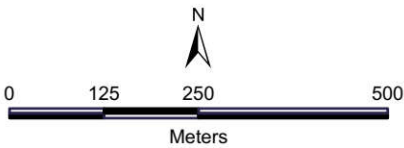
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Hazards for  
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Figure 8



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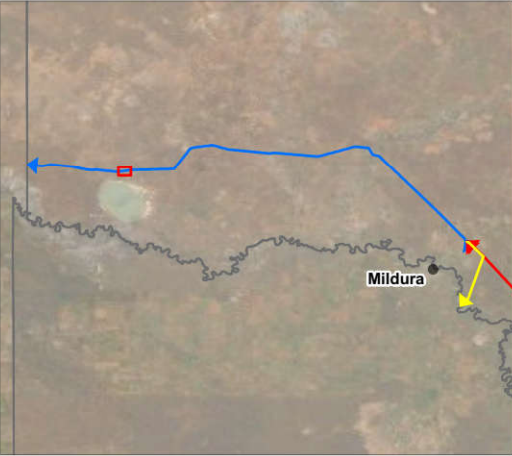


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Hazards for  
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Figure 9



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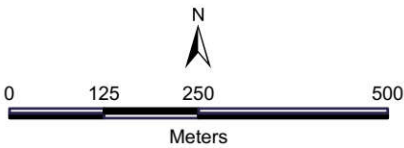
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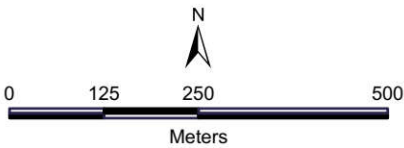
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Hazards for  
Emergency Plan  
Figure 11



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- Project Alignment
- ▭ Project Site Boundary
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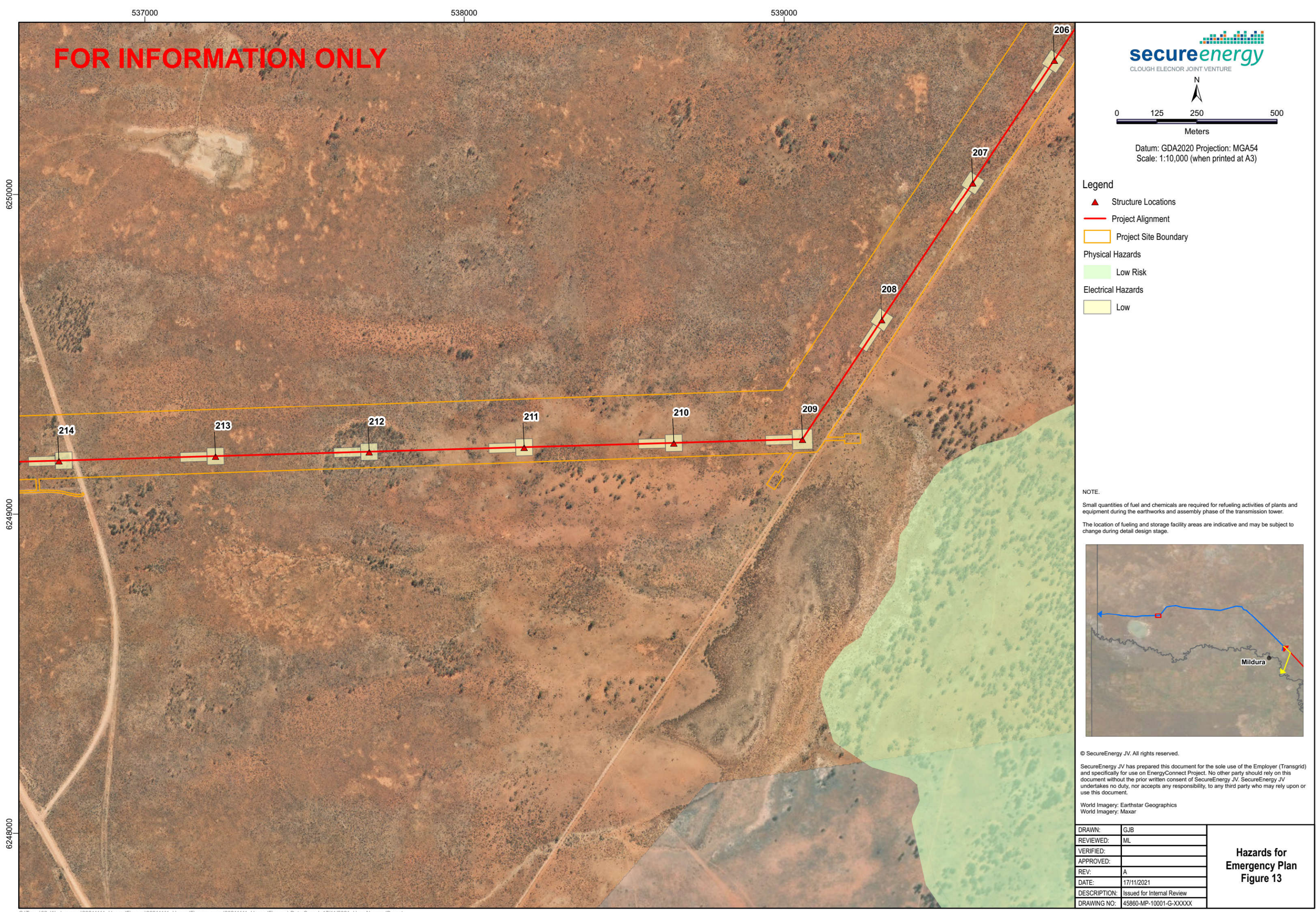
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Hazards for  
Emergency Plan  
Figure 12







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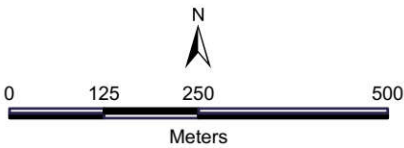
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- Structure Locations
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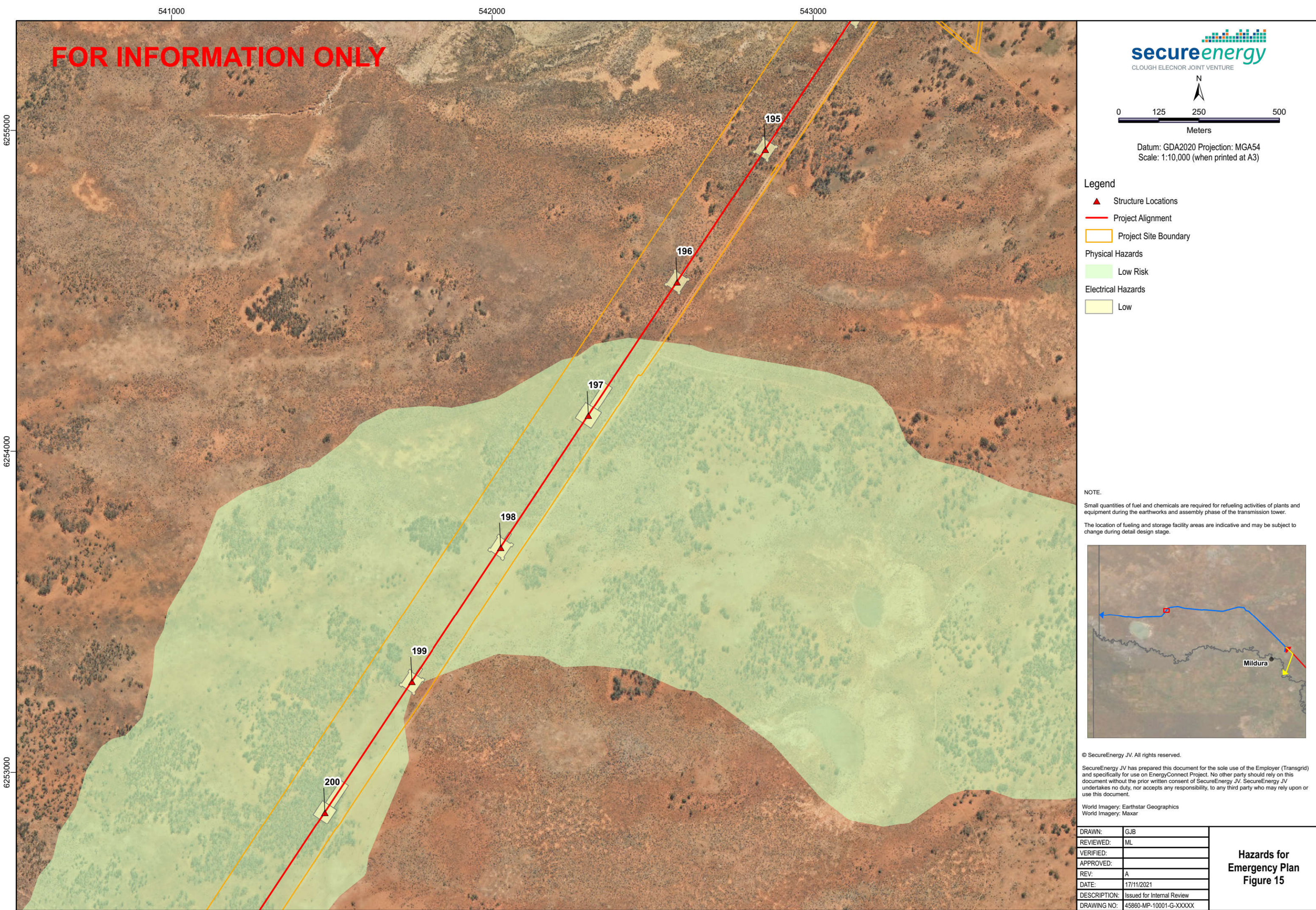
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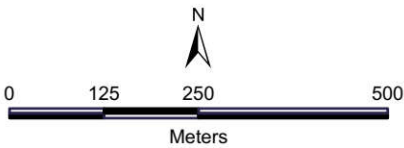
Hazards for  
Emergency Plan  
Figure 14







FOR INFORMATION ONLY

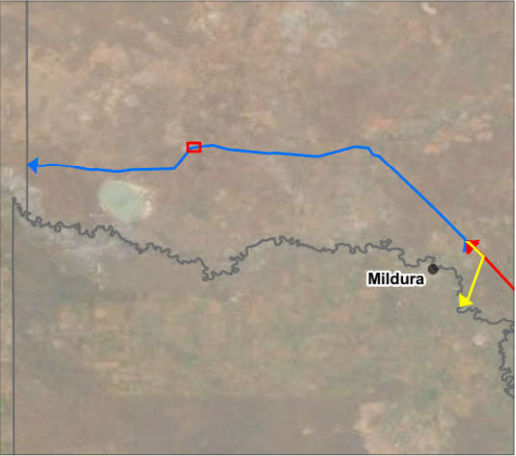


Datum: GDA2020 Projection: MGA54  
Scale: 1:10,000 (when printed at A3)

Legend

- ▲ Structure Locations
- Project Alignment
- ▭ Project Site Boundary
- Physical Hazards
  - Low Risk
  - High Risk
- Electrical Hazards
  - Low

NOTE:  
Small quantities of fuel and chemicals are required for refueling activities of plants and equipment during the earthworks and assembly phase of the transmission tower.  
The location of fueling and storage facility areas are indicative and may be subject to change during detail design stage.



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| DRAWN:       | GJB                        |
| REVIEWED:    | ML                         |
| VERIFIED:    |                            |
| APPROVED:    |                            |
| REV:         | A                          |
| DATE:        | 17/11/2021                 |
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Hazards for  
Emergency Plan  
Figure 16



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**secureenergy**  
CLOUGH ELECNOR JOINT VENTURE

N

0 125 250 500  
Meters

Datum: GDA2020 Projection: MGA54  
Scale: 1:10,000 (when printed at A3)

**Legend**

- Structure Locations
- Project Alignment
- Project Site Boundary

**Physical Hazards**

- Low Risk
- High Risk

**Electrical Hazards**

- Low

**NOTE:**

Small quantities of fuel and chemicals are required for refueling activities of plants and equipment during the earthworks and assembly phase of the transmission tower.

The location of fueling and storage facility areas are indicative and may be subject to change during detail design stage.

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| DRAWN:       | GJB                        |
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| APPROVED:    |                            |
| REV:         | A                          |
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**Hazards for  
Emergency Plan  
Figure 17**

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| DRAWN:       | GJB                        | <h2 style="text-align: center;">Hazards for<br/>Emergency Plan<br/>Figure 17</h2> |
| REVIEWED:    | ML                         |                                                                                   |
| VERIFIED:    |                            |                                                                                   |
| APPROVED:    |                            |                                                                                   |
| REV:         | A                          |                                                                                   |
| DATE:        | 17/11/2021                 |                                                                                   |
| DESCRIPTION: | Issued for Internal Review |                                                                                   |
| DRAWING NO:  | 45860-MP-10001-G-XXXXX     |                                                                                   |

**Hazards for  
Emergency Plan  
Figure 17**



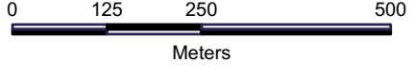
FOR INFORMATION ONLY



CLOUGH ELECNOR JOINT VENTURE



N



0 125 250 500  
Meters

Datum: GDA2020 Projection: MGA54  
Scale: 1:10,000 (when printed at A3)

Legend

- ▲ Structure Locations
- Project Alignment
- ▭ Project Site Boundary
- Physical Hazards
  - Low Risk
- Electrical Hazards
  - Low

NOTE:  
Small quantities of fuel and chemicals are required for refueling activities of plants and equipment during the earthworks and assembly phase of the transmission tower.  
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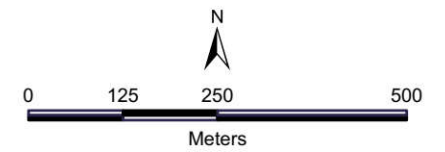
Hazards for  
Emergency Plan  
Figure 18



**FOR INFORMATION ONLY**

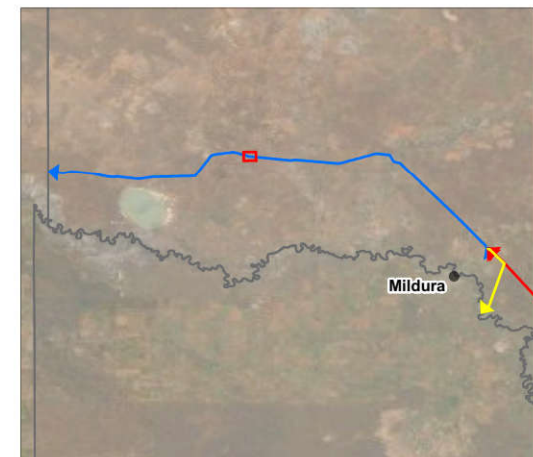
Station markers along the alignment:

- 174
- 173
- 172
- 171
- 170
- 169
- 168



### Legend

- NOTE:
- Small quantities of fuel and chemicals are required for refueling activities of plants and equipment during the earthworks and assembly phase of the transmission tower.
- The location of fueling and storage facility areas are indicative and may be subject to change during detail design stage.



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**Hazards for  
Emergency Plan  
Figure 19**



555000

556000

557000

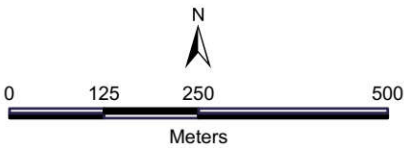
558000

FOR INFORMATION ONLY

6256000

6255000

6254000



Datum: GDA2020 Projection: MGA54  
Scale: 1:10,000 (when printed at A3)

Legend

- ▲ Structure Locations
- Project Alignment
- ▭ Project Site Boundary
- Physical Hazards
  - Low Risk
  - High Risk
- Electrical Hazards
  - Low

NOTE:  
Small quantities of fuel and chemicals are required for refueling activities of plants and equipment during the earthworks and assembly phase of the transmission tower.  
The location of fueling and storage facility areas are indicative and may be subject to change during detail design stage.



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| DRAWING NO:  | 45860-MP-10001-G-XXXX      |

Hazards for  
Emergency Plan  
Figure 20



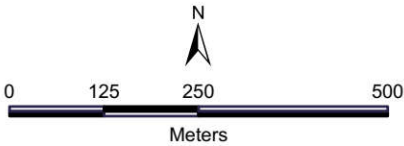
559000 560000 561000

6256000

6255000

6254000

FOR INFORMATION ONLY



Datum: GDA2020 Projection: MGA54  
Scale: 1:10,000 (when printed at A3)

Legend

- Structure Locations
- Project Alignment
- Project Site Boundary
- Physical Hazards
  - Low Risk
  - High Risk
- Electrical Hazards
  - Low

NOTE:  
Small quantities of fuel and chemicals are required for refueling activities of plants and equipment during the earthworks and assembly phase of the transmission tower.  
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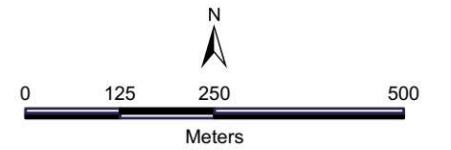
World Imagery: Earthstar Geographics  
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Hazards for  
Emergency Plan  
Figure 21



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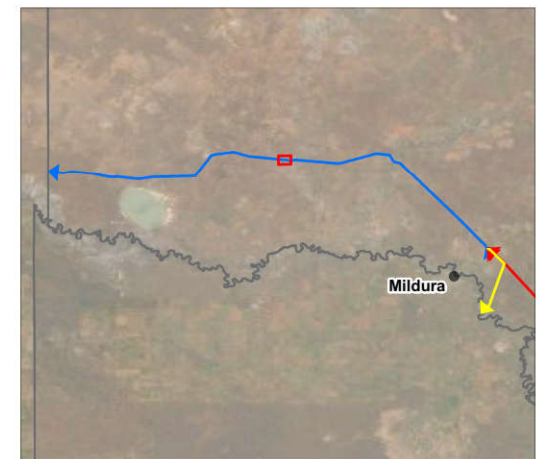


Datum: GDA2020 Projection: MGA54  
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Legend

- Structure Locations
- Project Alignment
- Project Site Boundary
- Physical Hazards
  - Low Risk
  - High Risk
- Electrical Hazards
  - Low

NOTE:  
Small quantities of fuel and chemicals are required for refueling activities of plants and equipment during the earthworks and assembly phase of the transmission tower.  
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| DESCRIPTION: | Issued for Internal Review |
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Hazards for  
Emergency Plan  
Figure 22



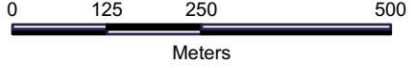
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secureenergy  
CLOUGH ELECNOR JOINT VENTURE



N



0 125 250 500  
Meters

Datum: GDA2020 Projection: MGA54  
Scale: 1:10,000 (when printed at A3)

- Legend
- ▲ Structure Locations
  - Project Alignment
  - ▭ Project Site Boundary
  - Physical Hazards
    - Low Risk
  - Electrical Hazards
    - Low

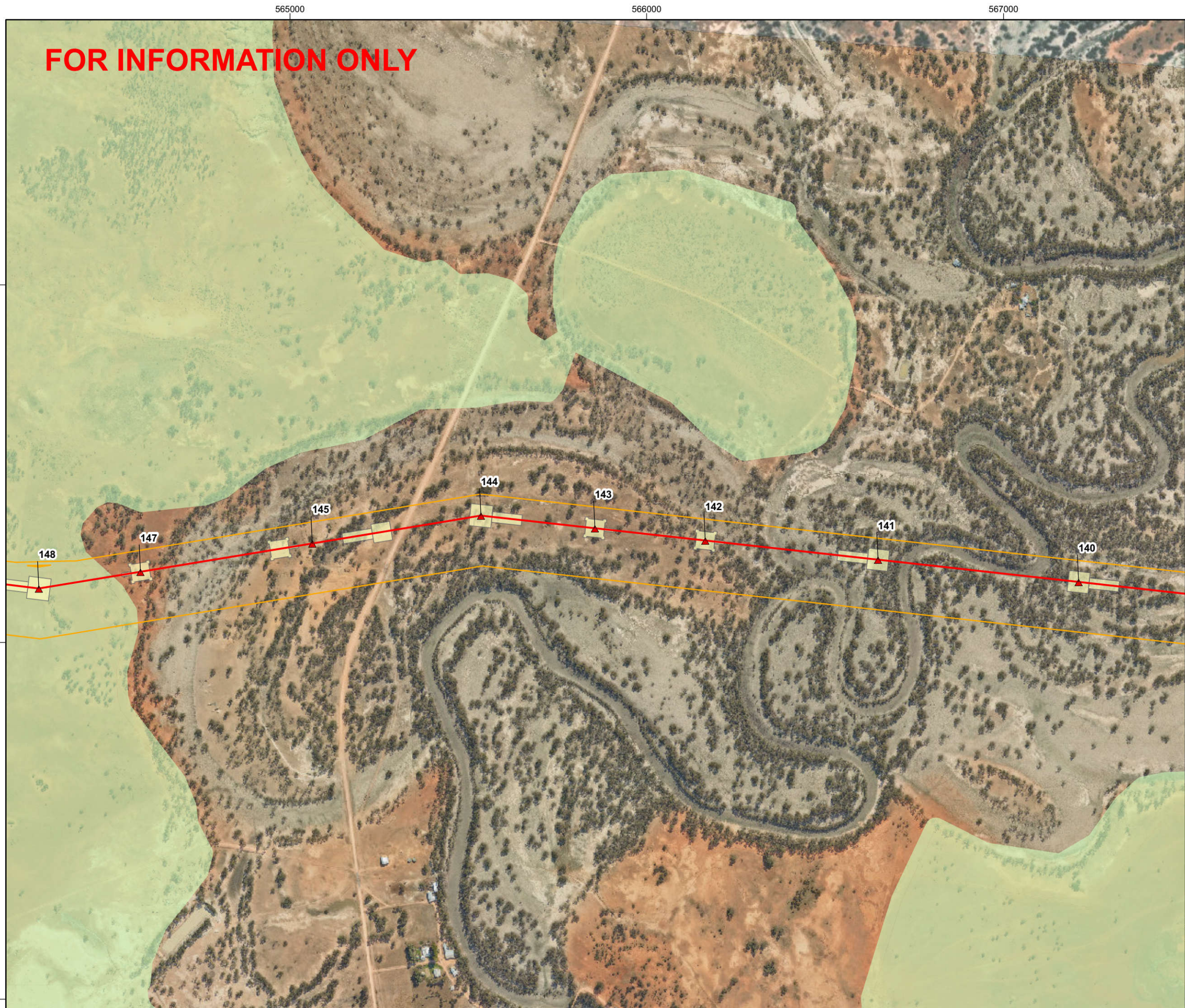
NOTE:  
Small quantities of fuel and chemicals are required for refueling activities of plants and equipment during the earthworks and assembly phase of the transmission tower.  
The location of fueling and storage facility areas are indicative and may be subject to change during detail design stage.



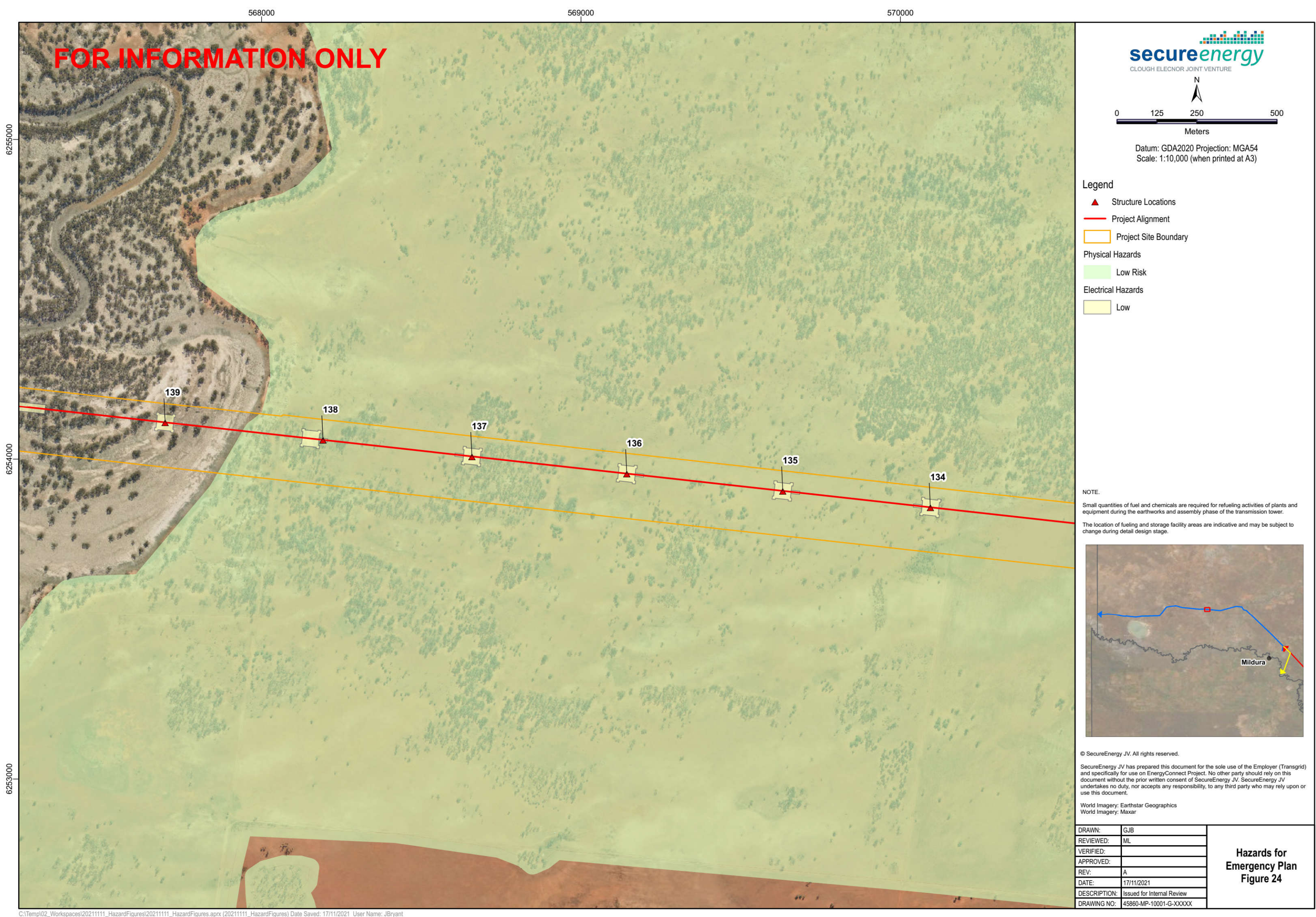
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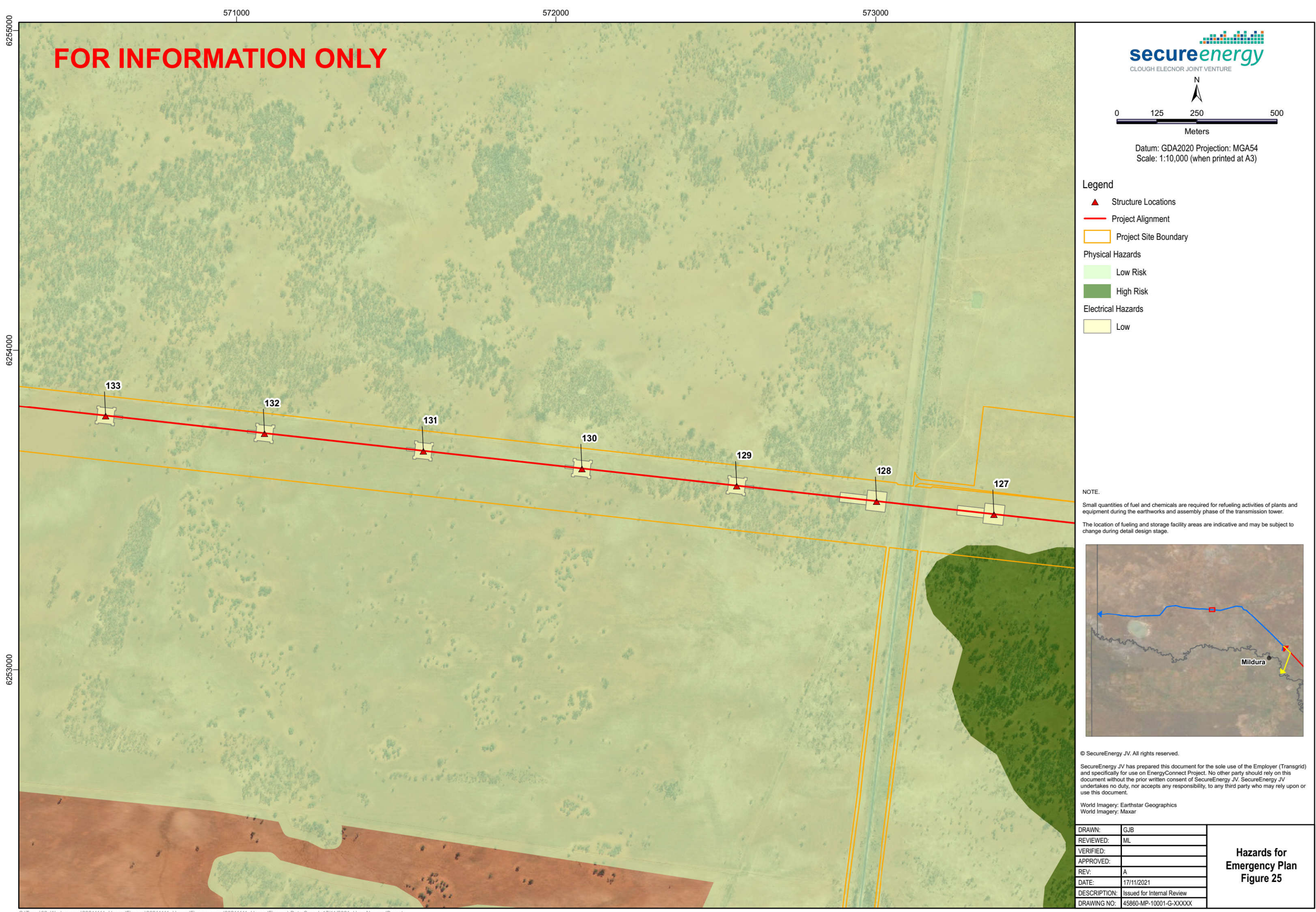
Hazards for  
Emergency Plan  
Figure 23





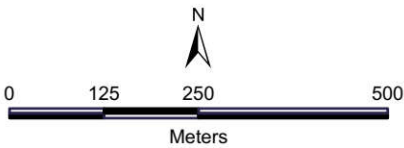








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Datum: GDA2020 Projection: MGA54  
Scale: 1:10,000 (when printed at A3)

Legend

- ▲ Structure Locations
- Project Alignment
- ▭ Project Site Boundary
- Physical Hazards
  - Low Risk
  - High Risk
- Electrical Hazards
  - Low

NOTE:  
Small quantities of fuel and chemicals are required for refueling activities of plants and equipment during the earthworks and assembly phase of the transmission tower.  
The location of fueling and storage facility areas are indicative and may be subject to change during detail design stage.



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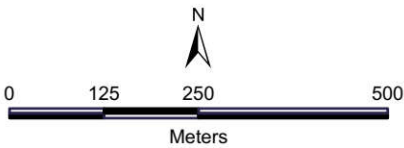
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| DRAWING NO:  | 45860-MP-10001-G-XXXX      |

Hazards for  
Emergency Plan  
Figure 26



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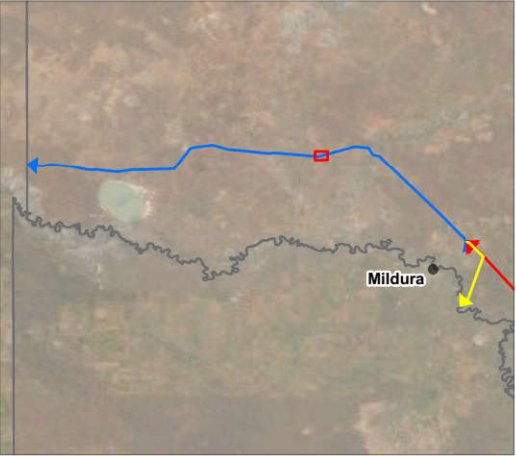


Datum: GDA2020 Projection: MGA54  
Scale: 1:10,000 (when printed at A3)

Legend

- ▲ Structure Locations
- Project Alignment
- ▭ Project Site Boundary
- Physical Hazards
  - Low Risk
- Electrical Hazards
  - Low

NOTE:  
Small quantities of fuel and chemicals are required for refueling activities of plants and equipment during the earthworks and assembly phase of the transmission tower.  
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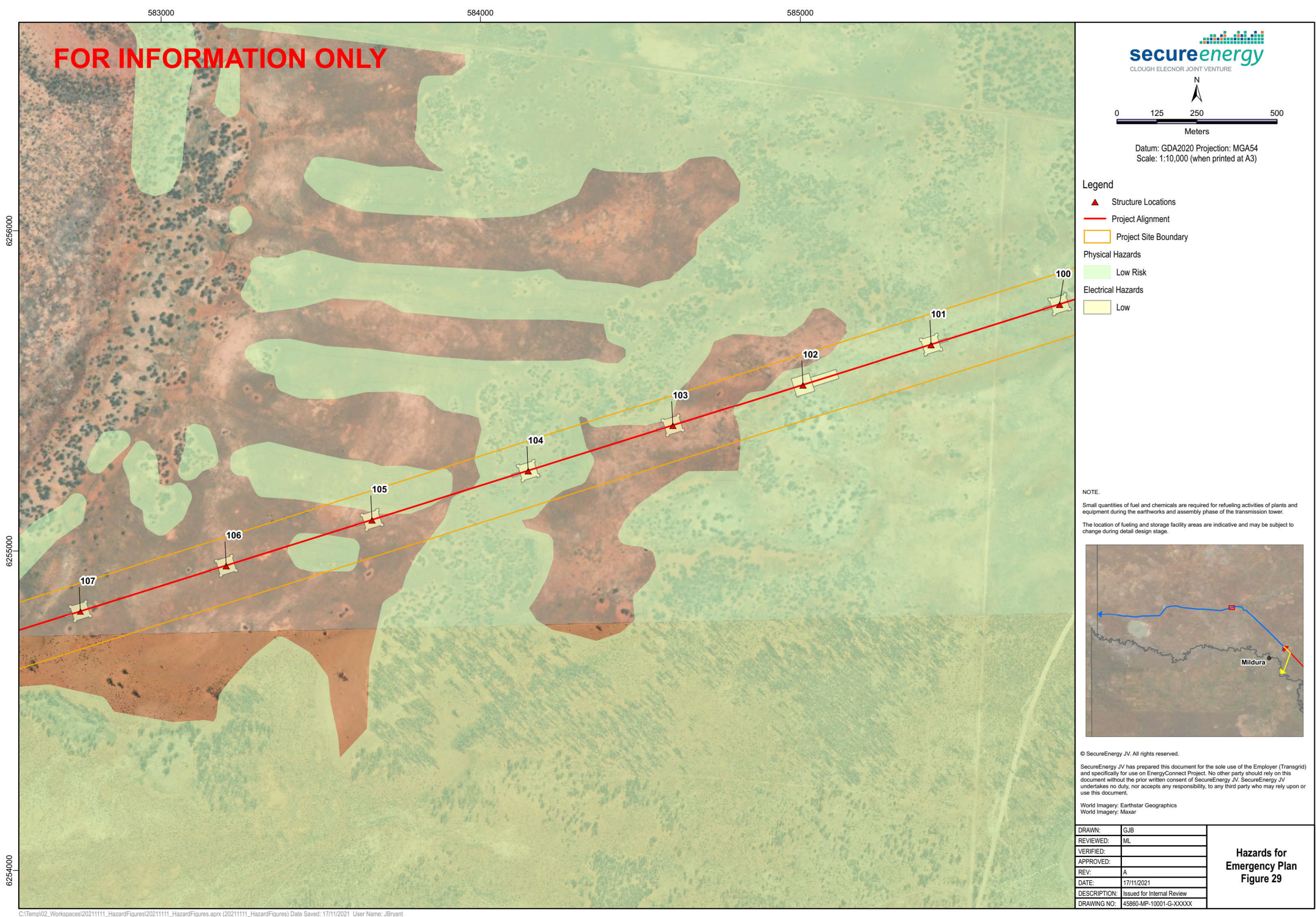
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Hazards for  
Emergency Plan  
Figure 27



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586000 587000 588000

6257000  
6256000  
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FOR INFORMATION ONLY



CLOUGH ELECNOR JOINT VENTURE



0 125 250 500  
Meters

Datum: GDA2020 Projection: MGA54  
Scale: 1:10,000 (when printed at A3)

- Legend
- ▲ Structure Locations
  - Project Alignment
  - ▭ Project Site Boundary
  - Physical Hazards
    - Low Risk
  - Electrical Hazards
    - Low

NOTE:  
Small quantities of fuel and chemicals are required for refueling activities of plants and equipment during the earthworks and assembly phase of the transmission tower.  
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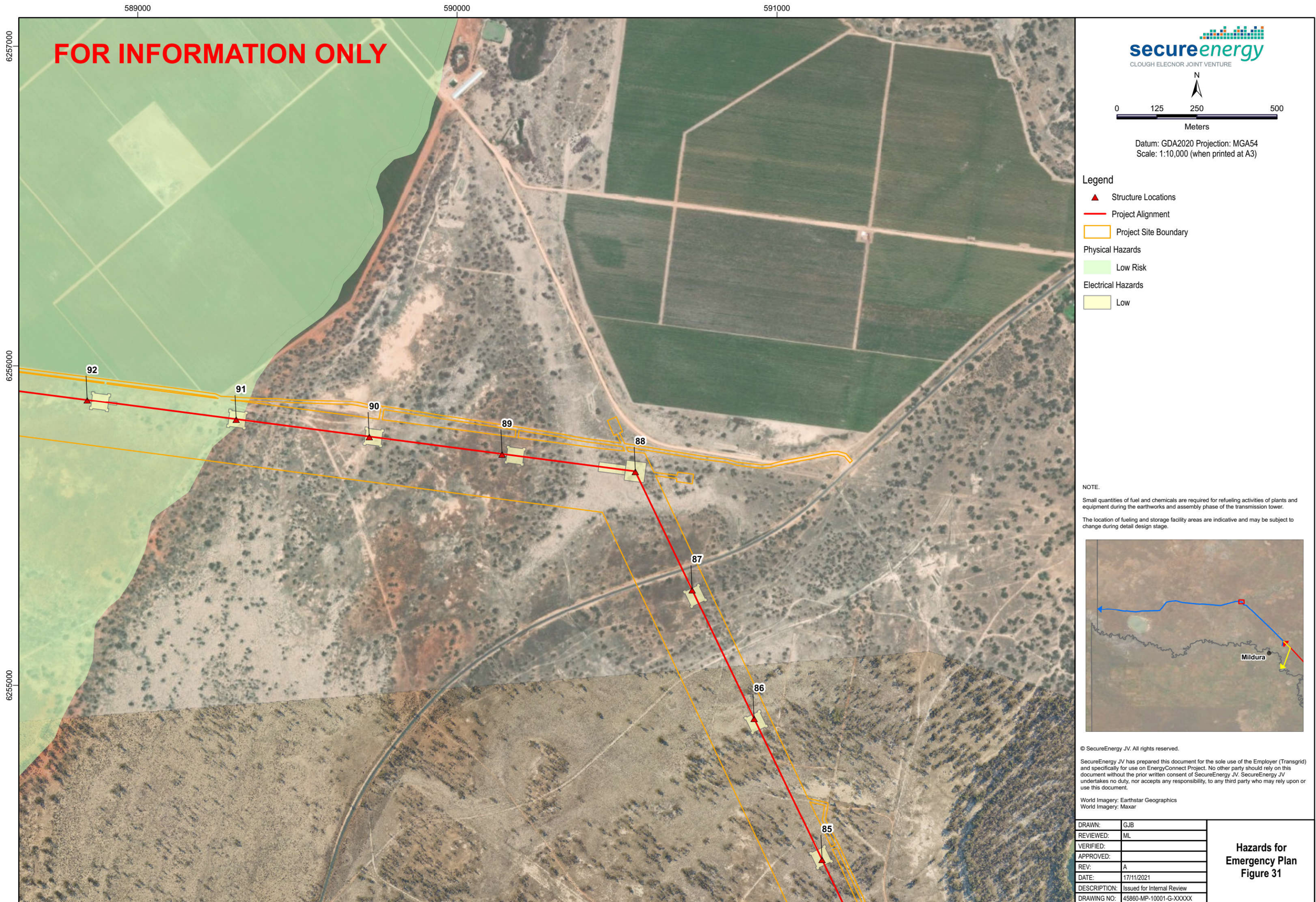


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Hazards for  
Emergency Plan  
Figure 30

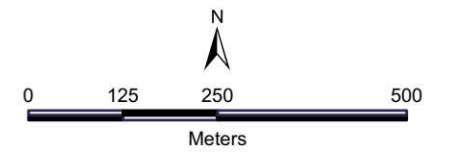






591000 592000 593000 594000

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Datum: GDA2020 Projection: MGA54  
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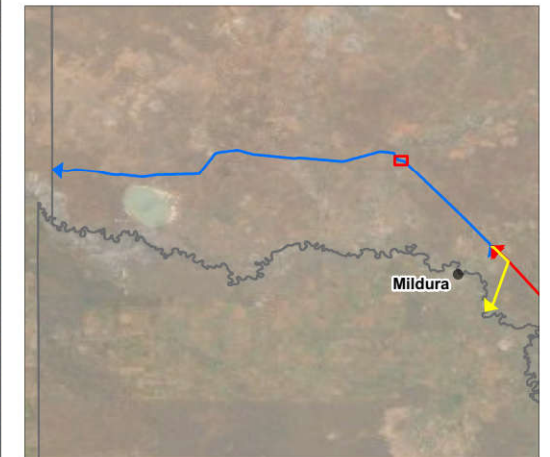
Legend

- ▲ Structure Locations
- Project Alignment
- ▭ Project Site Boundary
- Electrical Hazards
  - ▭ Low

NOTE:

Small quantities of fuel and chemicals are required for refueling activities of plants and equipment during the earthworks and assembly phase of the transmission tower.

The location of fueling and storage facility areas are indicative and may be subject to change during detail design stage.



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Hazards for  
Emergency Plan  
Figure 32







CLOUGH ELECNOR JOINT VENTURE

N



0 125 250 500

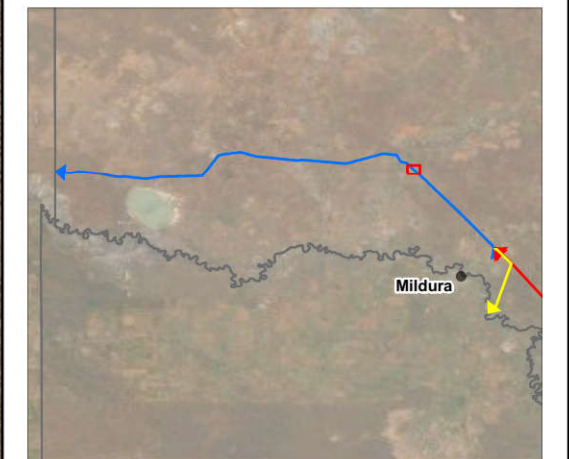
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Datum: GDA2020 Projection: MGA54  
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Legend

- ▲ Structure Locations
- Project Alignment
- ▭ Project Site Boundary
- Physical Hazards
  - Low Risk
- Electrical Hazards
  - Low

NOTE:  
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Hazards for  
Emergency Plan  
Figure 33



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CLOUGH ELECNOR JOINT VENTURE



0 125 250 500

Meters

Datum: GDA2020 Projection: MGA54

Scale: 1:10,000 (when printed at A3)

- Legend
- ▲ Structure Locations
  - Project Alignment
  - ▭ Project Site Boundary
- Physical Hazards
- Low Risk
- Electrical Hazards
- Low

NOTE:

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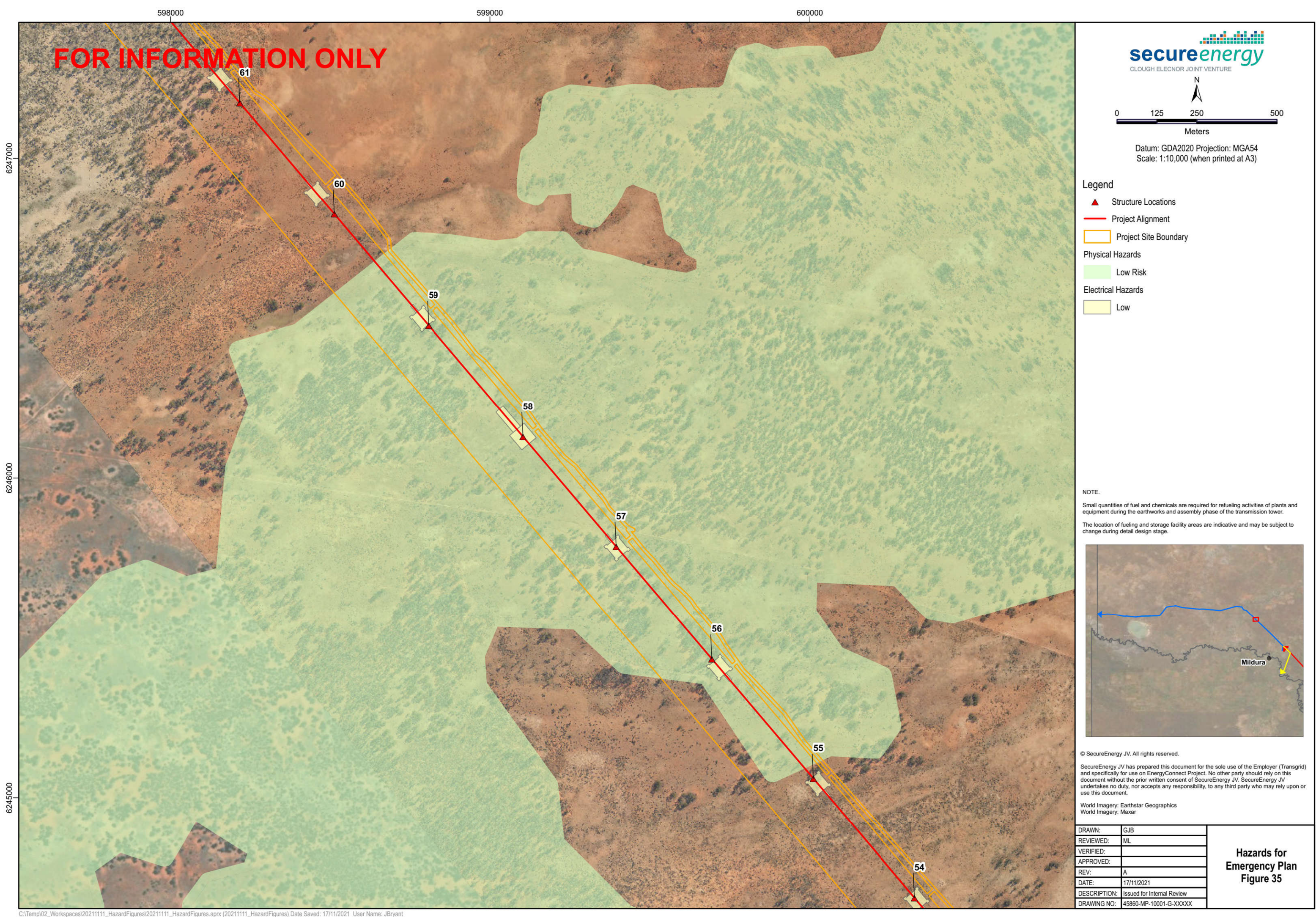
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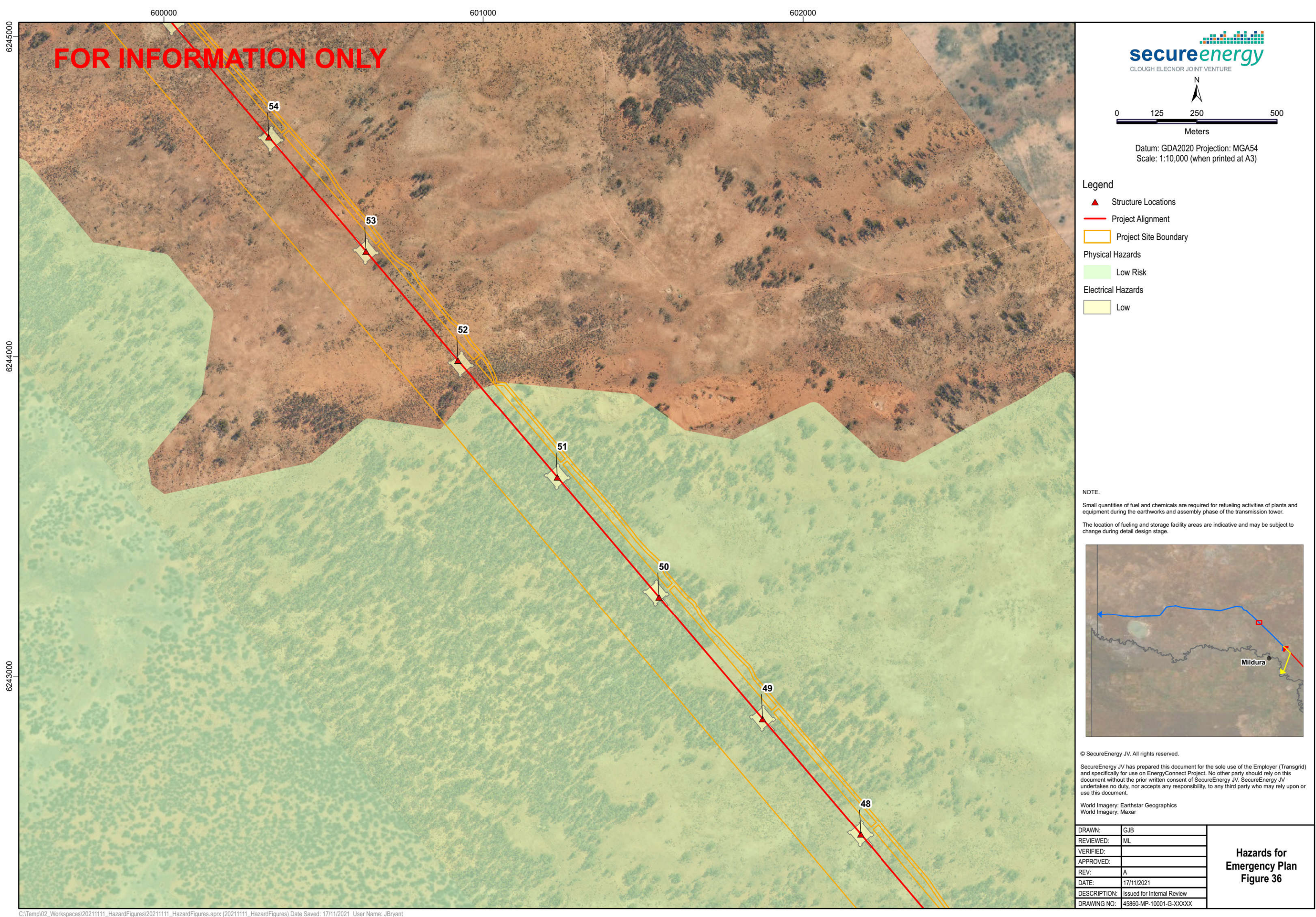
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Hazards for  
Emergency Plan  
Figure 34

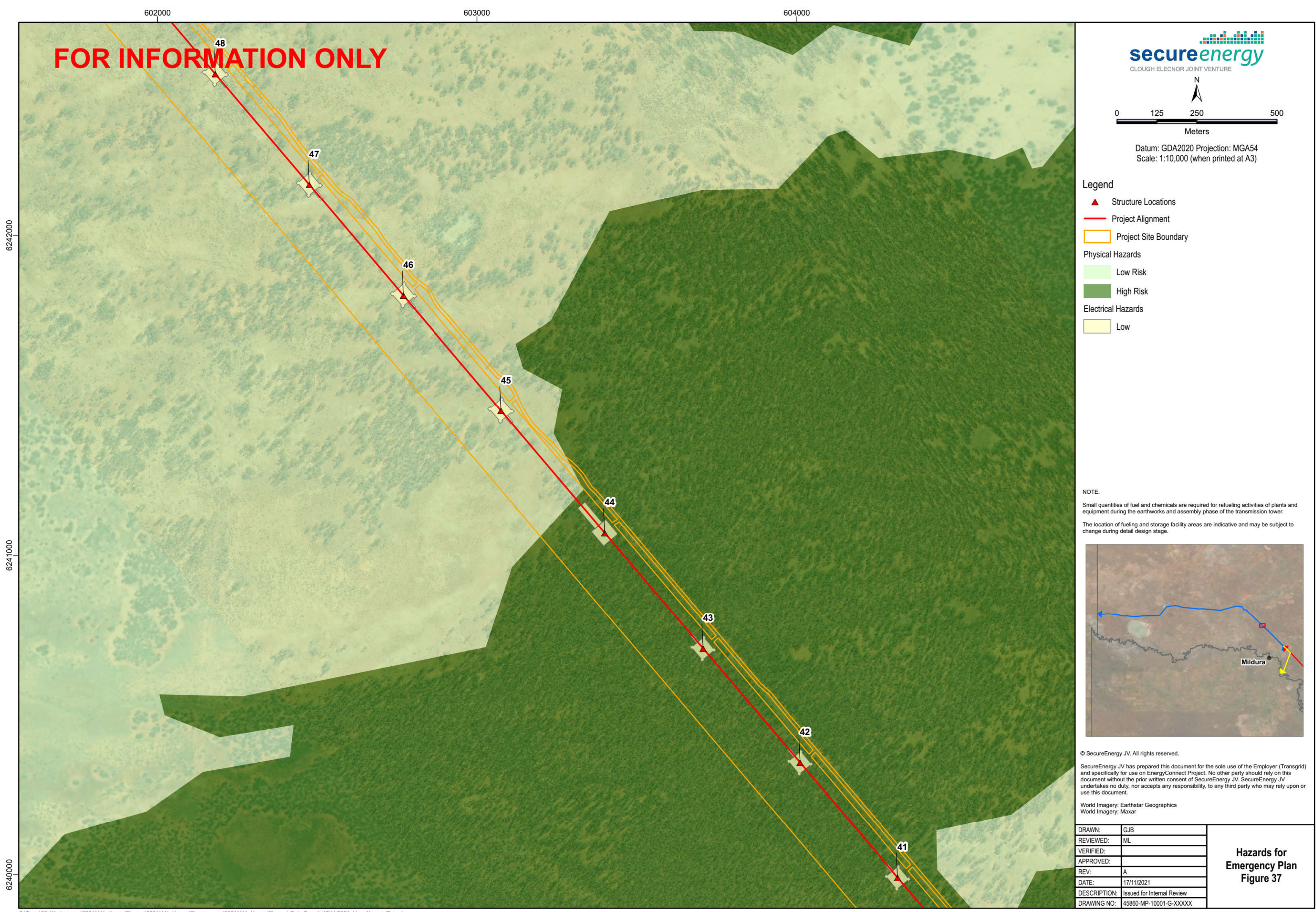














CLOUGH ELECNOR JOINT VENTURE

N



0 125 250 500

Meters

Datum: GDA2020 Projection: MGA54  
Scale: 1:10,000 (when printed at A3)

- Legend**
- ▲ Structure Locations
  - Project Alignment
  - ▭ Project Site Boundary
  - Physical Hazards**
    - Low Risk
    - High Risk
  - Electrical Hazards**
    - Low

**NOTE:**

Small quantities of fuel and chemicals are required for refueling activities of plants and equipment during the earthworks and assembly phase of the transmission tower.

The location of fueling and storage facility areas are indicative and may be subject to change during detail design stage.



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**Hazards for  
Emergency Plan  
Figure 37**



**FOR INFORMATION ONLY**

**secureenergy**  
CLOUGH ELECNOR JOINT VENTURE

N

0 125 250 500  
Meters

Datum: GDA2020 Projection: MGA54  
Scale: 1:10,000 (when printed at A3)

**Legend**

- Structure Locations
- Project Alignment
- Project Site Boundary

**Physical Hazards**

- Low Risk
- High Risk

**Electrical Hazards**

- Low

**NOTE:**

Small quantities of fuel and chemicals are required for refueling activities of plants and equipment during the earthworks and assembly phase of the transmission tower.

The location of fueling and storage facility areas are indicative and may be subject to change during detail design stage.

Mildura

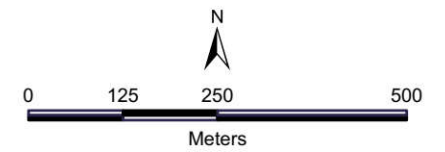
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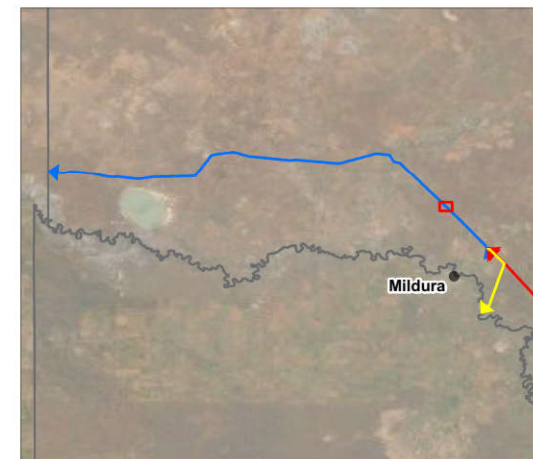
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**Hazards for  
Emergency Plan  
Figure 38**



### Legend

- NOTE:
- Small quantities of fuel and chemicals are required for refueling activities of plants and equipment during the earthworks and assembly phase of the transmission tower.
- The location of fueling and storage facility areas are indicative and may be subject to change during detail design stage.



World Imagery: Earthstar Geographics  
World Imagery: Maxar

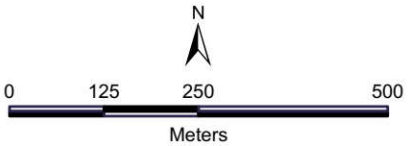
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**Hazards for  
Emergency Plan  
Figure 38**





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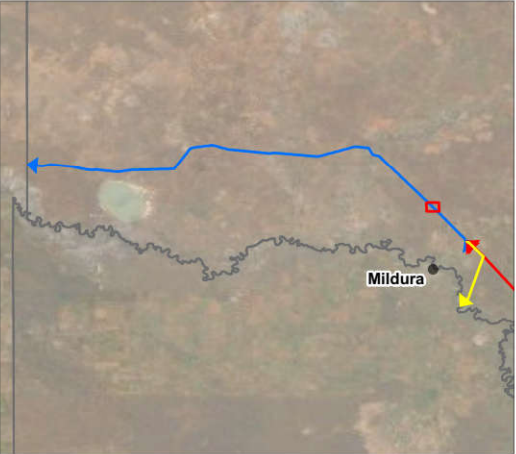


Datum: GDA2020 Projection: MGA54  
Scale: 1:10,000 (when printed at A3)

Legend

- ▲ Structure Locations
- Project Alignment
- ▭ Project Site Boundary
- Physical Hazards
  - Low Risk
  - High Risk
- Electrical Hazards
  - Low

NOTE.  
Small quantities of fuel and chemicals are required for refueling activities of plants and equipment during the earthworks and assembly phase of the transmission tower.  
The location of fueling and storage facility areas are indicative and may be subject to change during detail design stage.



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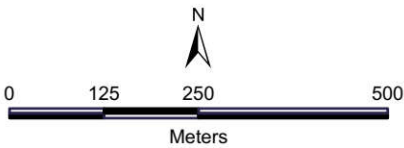
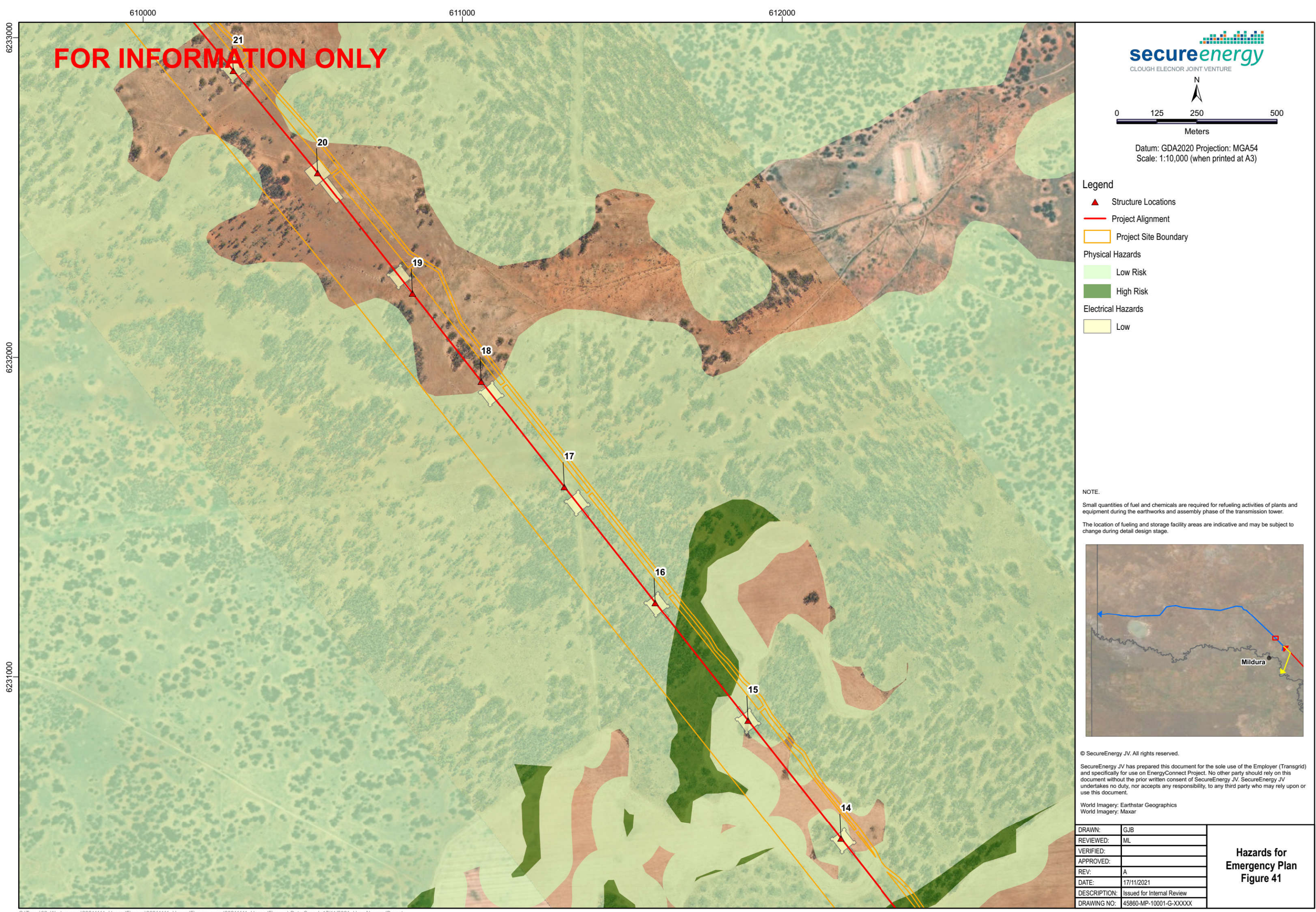
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Hazards for  
Emergency Plan  
Figure 39







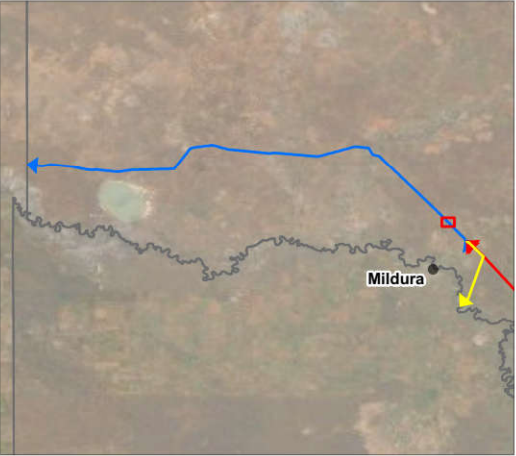


Datum: GDA2020 Projection: MGA54  
Scale: 1:10,000 (when printed at A3)

Legend

- ▲ Structure Locations
- Project Alignment
- ▭ Project Site Boundary
- Physical Hazards
  - Low Risk
  - High Risk
- Electrical Hazards
  - Low

NOTE:  
Small quantities of fuel and chemicals are required for refueling activities of plants and equipment during the earthworks and assembly phase of the transmission tower.  
The location of fueling and storage facility areas are indicative and may be subject to change during detail design stage.



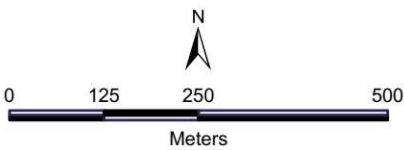
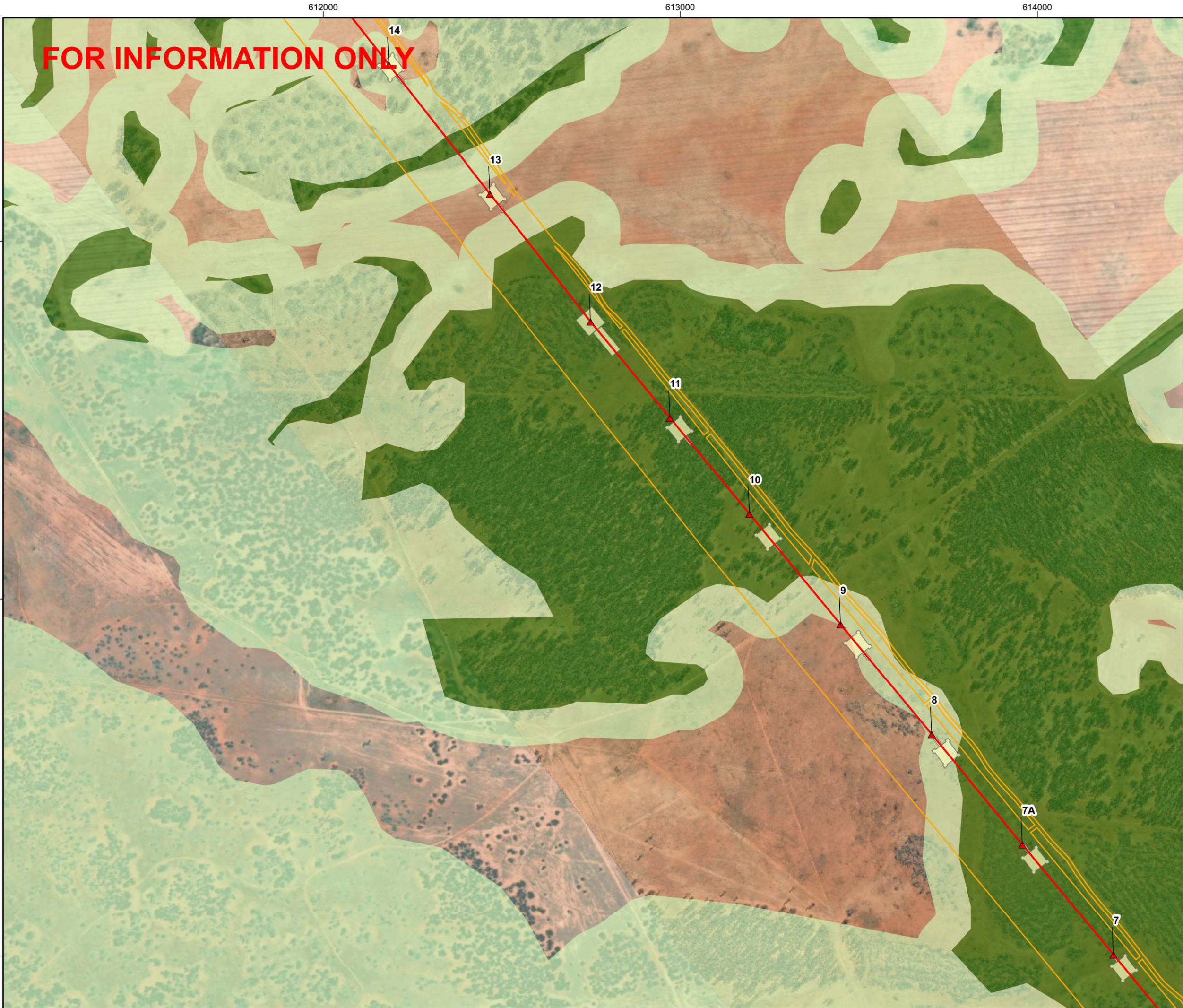
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Hazards for  
Emergency Plan  
Figure 41



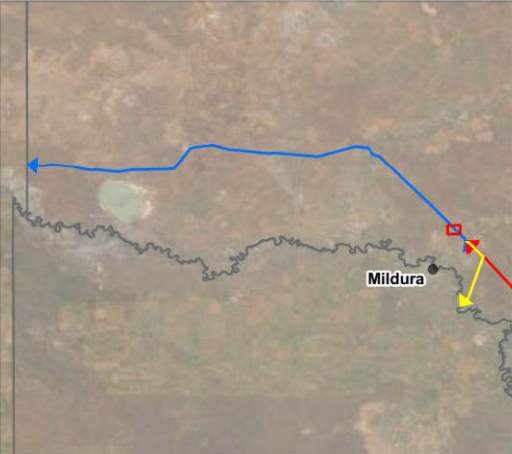


Datum: GDA2020 Projection: MGA54  
Scale: 1:10,000 (when printed at A3)

Legend

- ▲ Structure Locations
- Project Alignment
- ▭ Project Site Boundary
- Physical Hazards
  - Low Risk
  - High Risk
- Electrical Hazards
  - Low

NOTE:  
Small quantities of fuel and chemicals are required for refueling activities of plants and equipment during the earthworks and assembly phase of the transmission tower.  
The location of fueling and storage facility areas are indicative and may be subject to change during detail design stage.



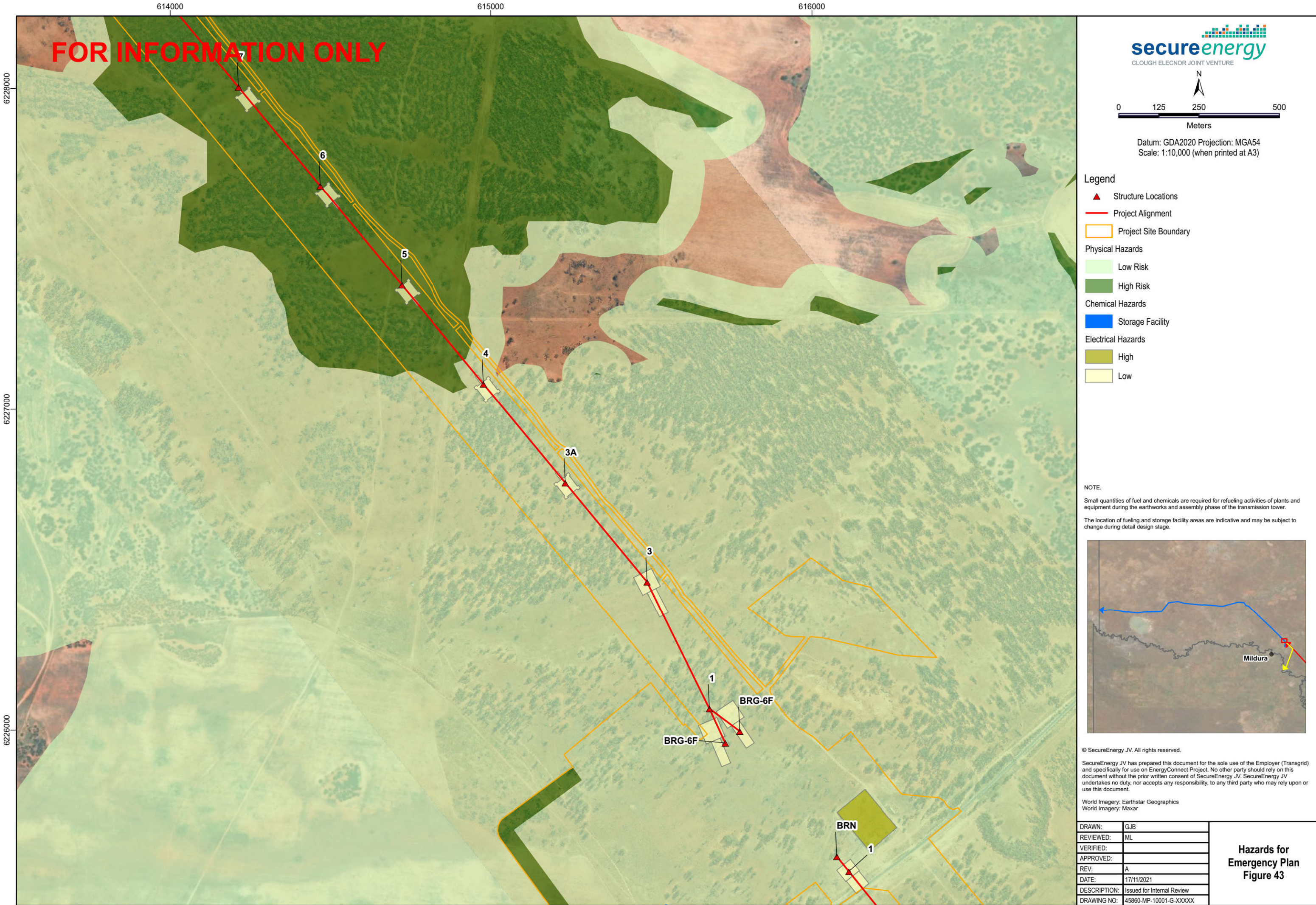
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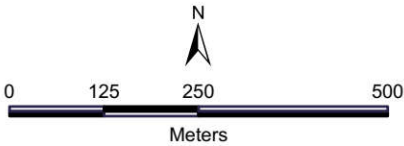
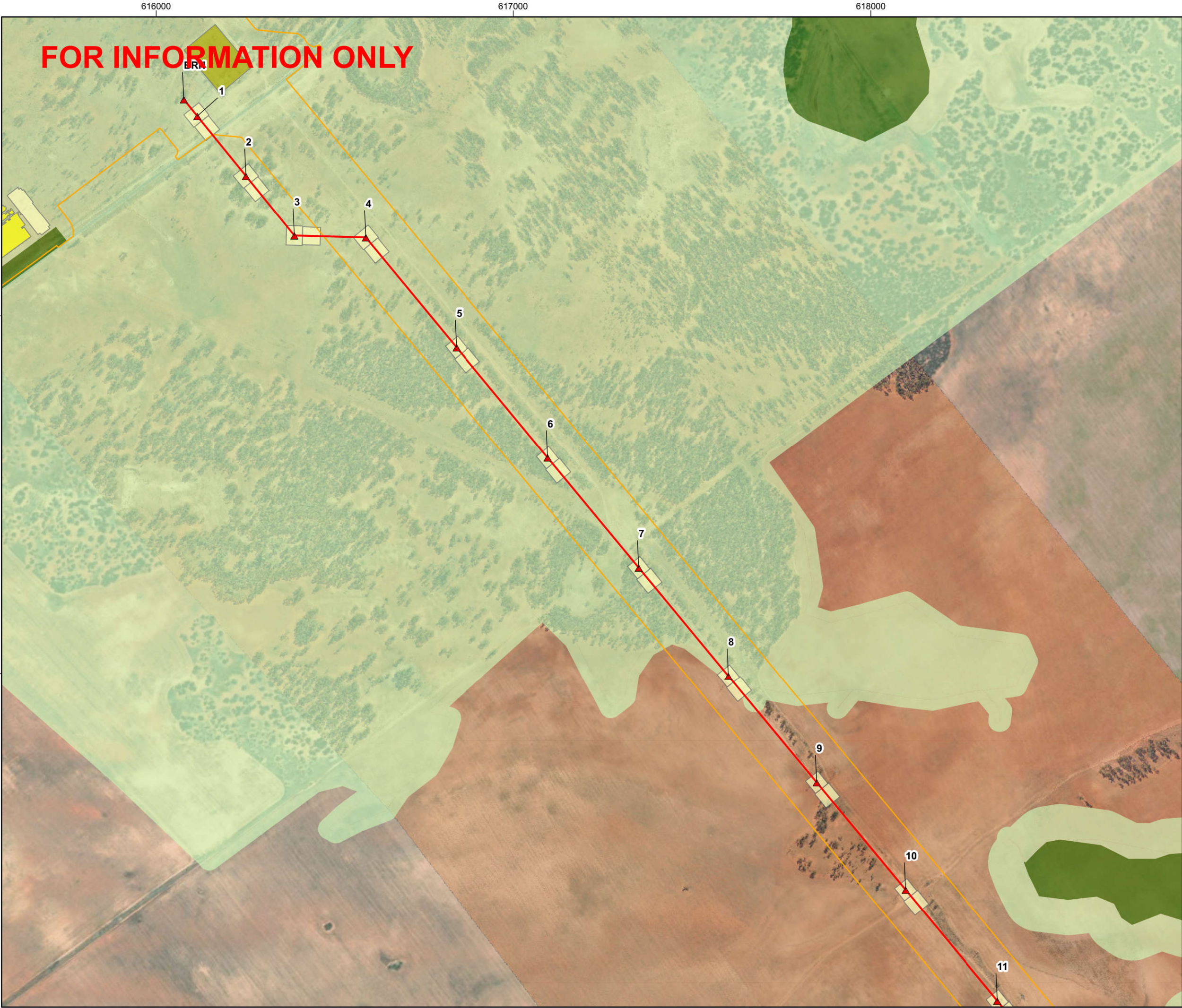
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Hazards for  
Emergency Plan  
Figure 42









Datum: GDA2020 Projection: MGA54  
Scale: 1:10,000 (when printed at A3)

Legend

- ▲ Structure Locations
- Project Alignment
- ▭ Project Site Boundary
- Physical Hazards
  - Low Risk
  - High Risk
- Electrical Hazards
  - High
  - Moderate
  - Low

NOTE:  
Small quantities of fuel and chemicals are required for refueling activities of plants and equipment during the earthworks and assembly phase of the transmission tower.  
The location of fueling and storage facility areas are indicative and may be subject to change during detail design stage.



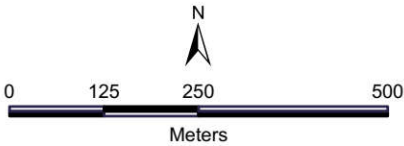
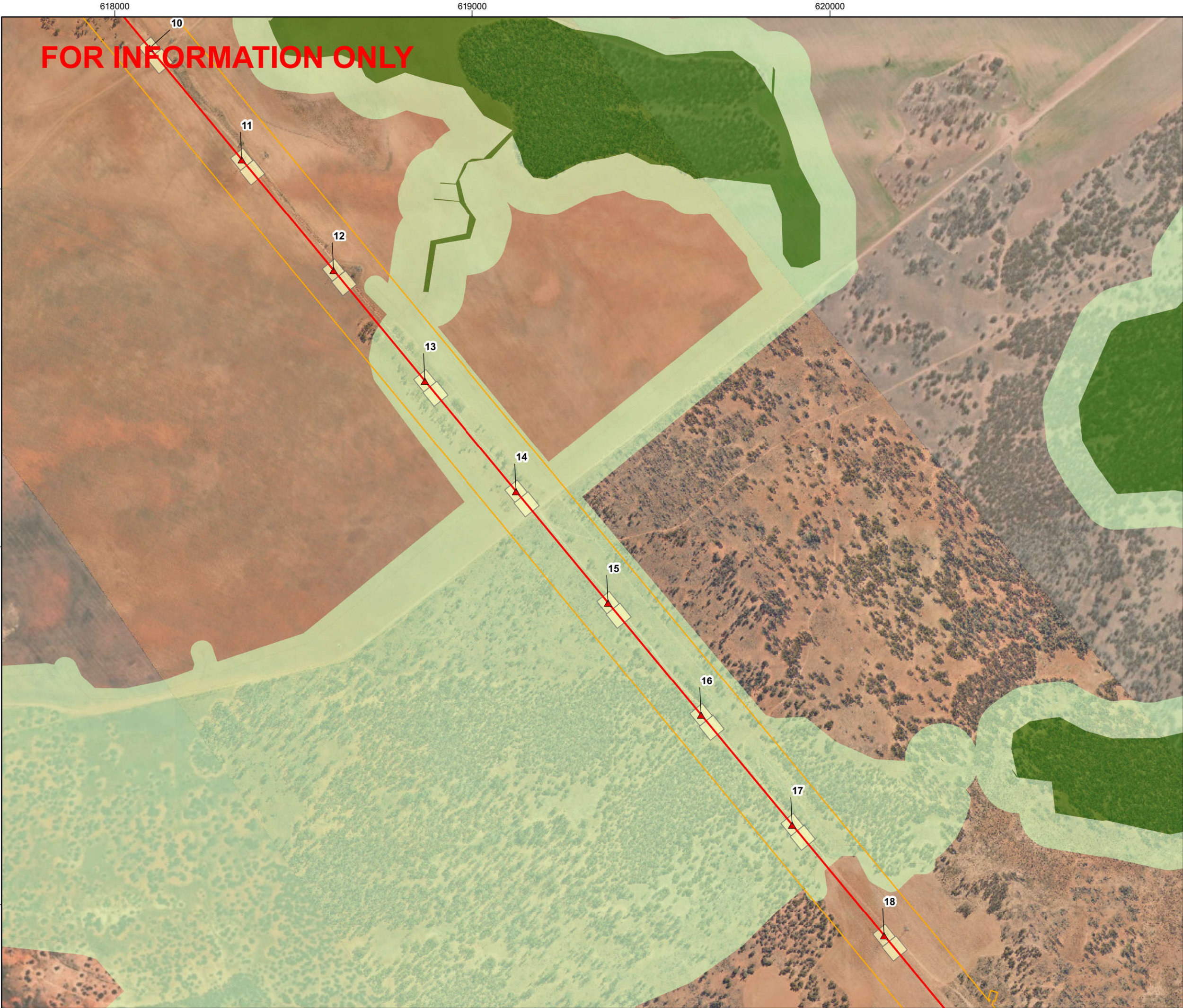
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Hazards for  
Emergency Plan  
Figure 44



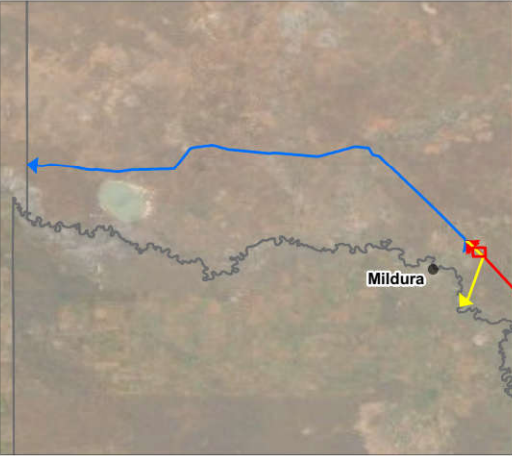


Datum: GDA2020 Projection: MGA54  
Scale: 1:10,000 (when printed at A3)

Legend

- ▲ Structure Locations
- Project Alignment
- ▭ Project Site Boundary
- Physical Hazards
  - Low Risk
  - High Risk
- Electrical Hazards
  - Low

NOTE:  
Small quantities of fuel and chemicals are required for refueling activities of plants and equipment during the earthworks and assembly phase of the transmission tower.  
The location of fueling and storage facility areas are indicative and may be subject to change during detail design stage.



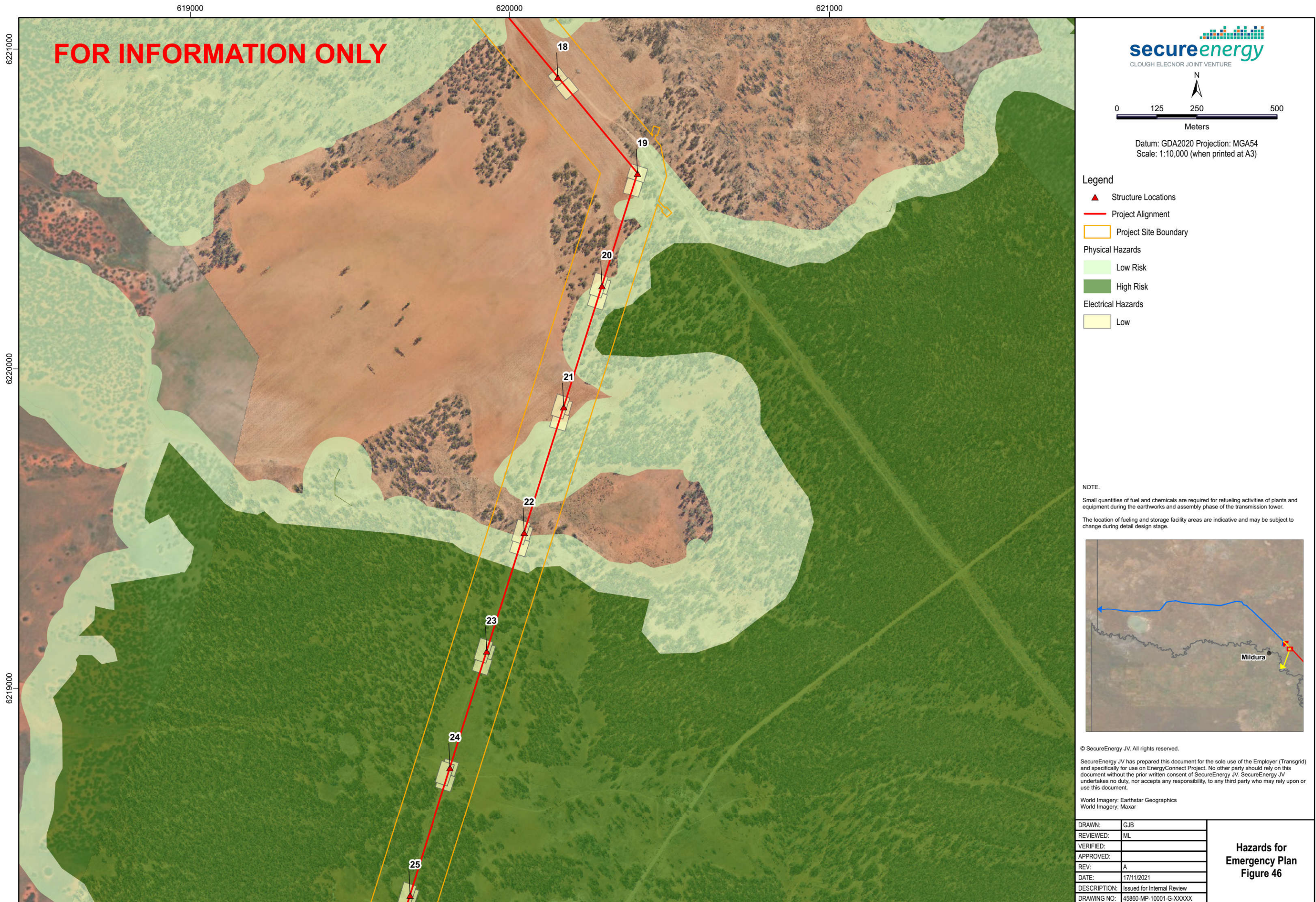
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**Hazards for  
Emergency Plan  
Figure 45**





FOR INFORMATION ONLY



CLOUGH ELECNOR JOINT VENTURE



N



0 125 250 500  
Meters

Datum: GDA2020 Projection: MGA54  
Scale: 1:10,000 (when printed at A3)

- Legend
- ▲ Structure Locations
  - Project Alignment
  - ▭ Project Site Boundary
  - Physical Hazards
    - Low Risk
    - High Risk
  - Electrical Hazards
    - Low

NOTE:

Small quantities of fuel and chemicals are required for refueling activities of plants and equipment during the earthworks and assembly phase of the transmission tower.

The location of fueling and storage facility areas are indicative and may be subject to change during detail design stage.



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Hazards for  
Emergency Plan  
Figure 46

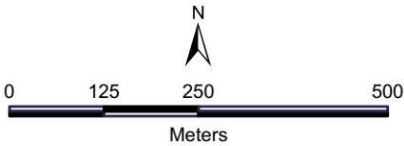








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Datum: GDA2020 Projection: MGA54  
Scale: 1:10,000 (when printed at A3)

Legend

- Structure Locations
- Project Alignment
- Project Site Boundary
- Physical Hazards
  - Low Risk
  - High Risk
- Electrical Hazards
  - Low

NOTE.  
Small quantities of fuel and chemicals are required for refueling activities of plants and equipment during the earthworks and assembly phase of the transmission tower.  
The location of fueling and storage facility areas are indicative and may be subject to change during detail design stage.



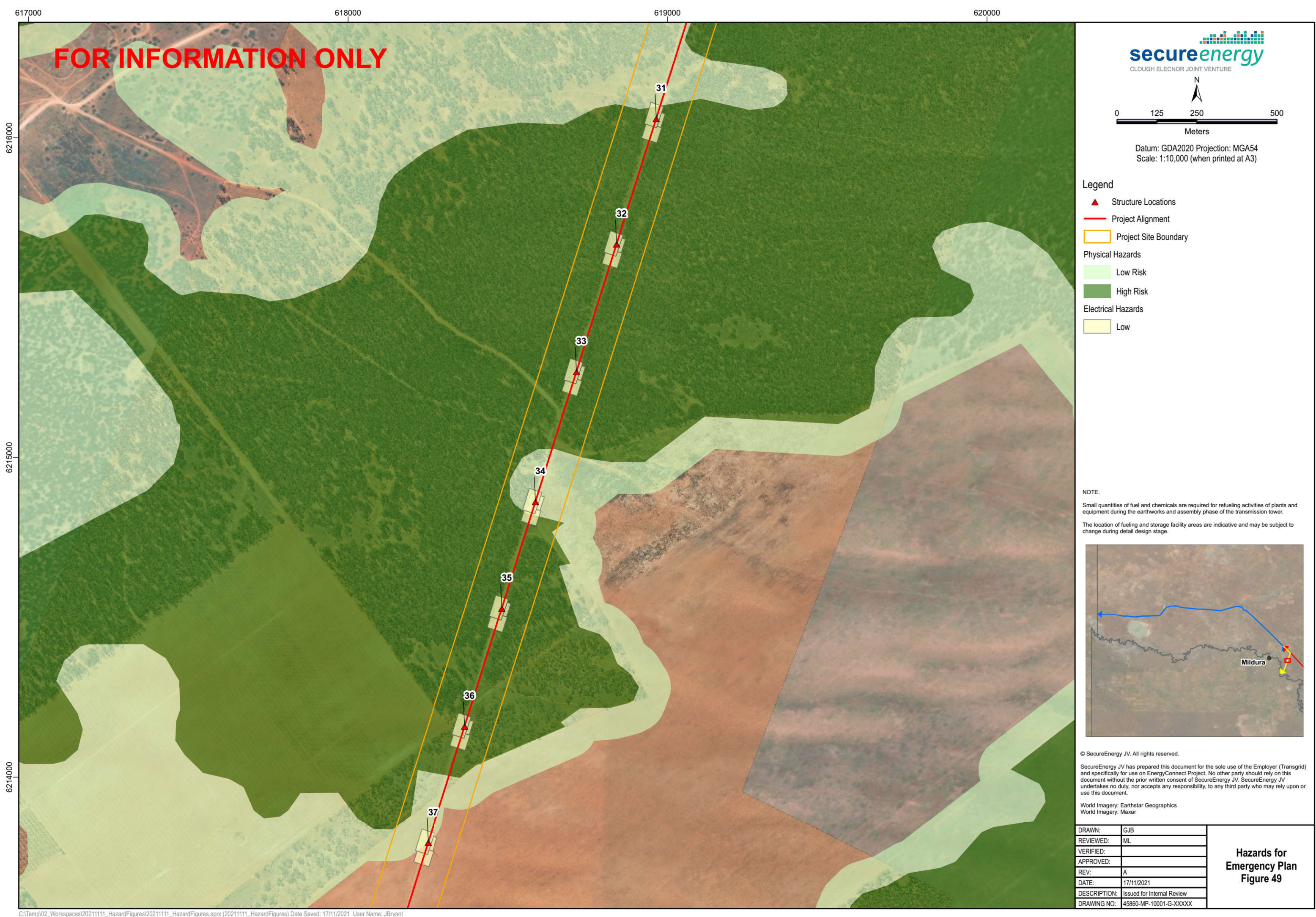
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Hazards for  
Emergency Plan  
Figure 48

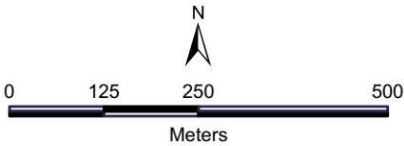








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Datum: GDA2020 Projection: MGA54  
Scale: 1:10,000 (when printed at A3)

Legend

- ▲ Structure Locations
- Project Alignment
- ▭ Project Site Boundary
- Physical Hazards
  - Low Risk
  - High Risk
- Electrical Hazards
  - Low

NOTE:  
Small quantities of fuel and chemicals are required for refueling activities of plants and equipment during the earthworks and assembly phase of the transmission tower.  
The location of fueling and storage facility areas are indicative and may be subject to change during detail design stage.



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Hazards for  
Emergency Plan  
Figure 50







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secureenergy  
CLOUGH ELECNOR JOINT VENTURE



N



0 125 250 500  
Meters

Datum: GDA2020 Projection: MGA54  
Scale: 1:10,000 (when printed at A3)

Legend

- ▲ Structure Locations
- Project Alignment
- ▭ Project Site Boundary

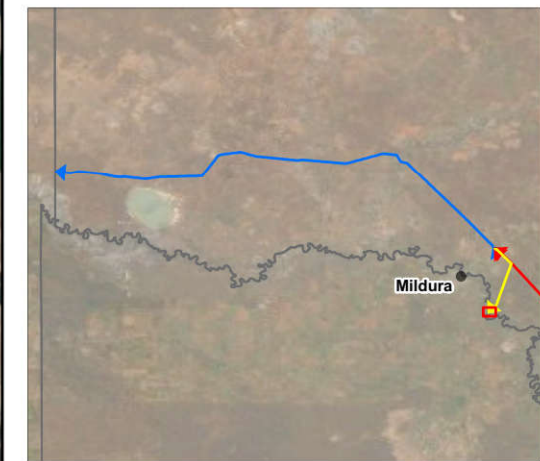
Electrical Hazards

- ▭ Low

NOTE:

Small quantities of fuel and chemicals are required for refueling activities of plants and equipment during the earthworks and assembly phase of the transmission tower.

The location of fueling and storage facility areas are indicative and may be subject to change during detail design stage.



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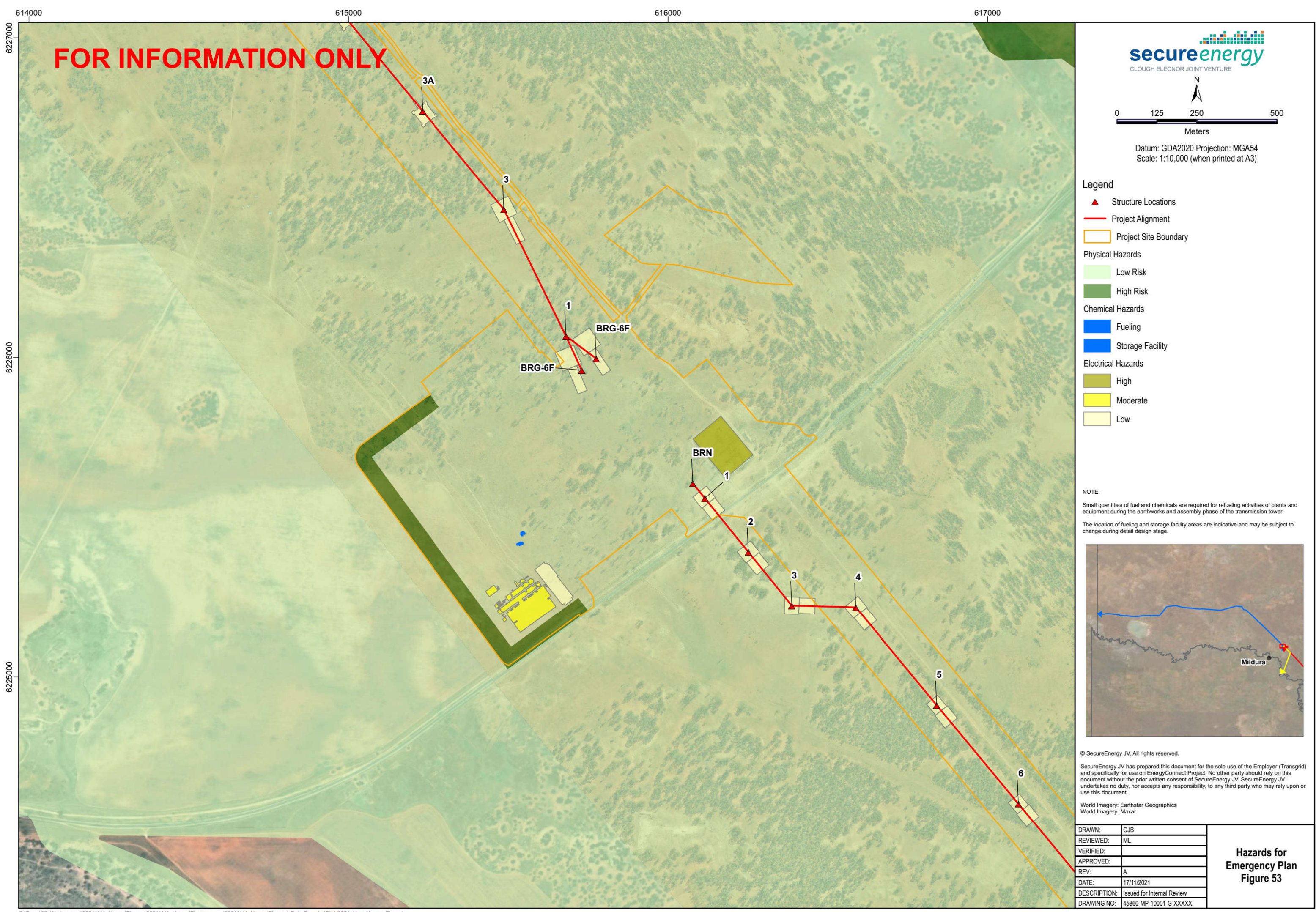
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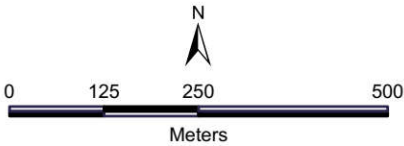
Hazards for  
Emergency Plan  
Figure 52







FOR INFORMATION ONLY



Datum: GDA2020 Projection: MGA54  
Scale: 1:10,000 (when printed at A3)

Legend

- Project Site Boundary
- Physical Hazards
  - High Risk
- Chemical Hazards
  - Fueling
  - Storage Facility
- Electrical Hazards
  - Moderate
  - Low

It should be noted that the asset protection zone (physical hazard) for Wentworth Camp is currently undergoing detail design. Subsequent updates to the APZ will be included in the future revisions of the figures.

NOTE.  
Small quantities of fuel and chemicals are required for refueling activities of plants and equipment during the earthworks and assembly phase of the transmission tower.  
The location of fueling and storage facility areas are indicative and may be subject to change during detail design stage.



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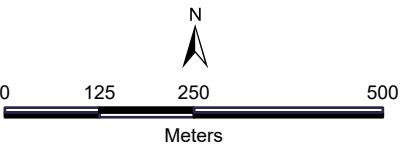
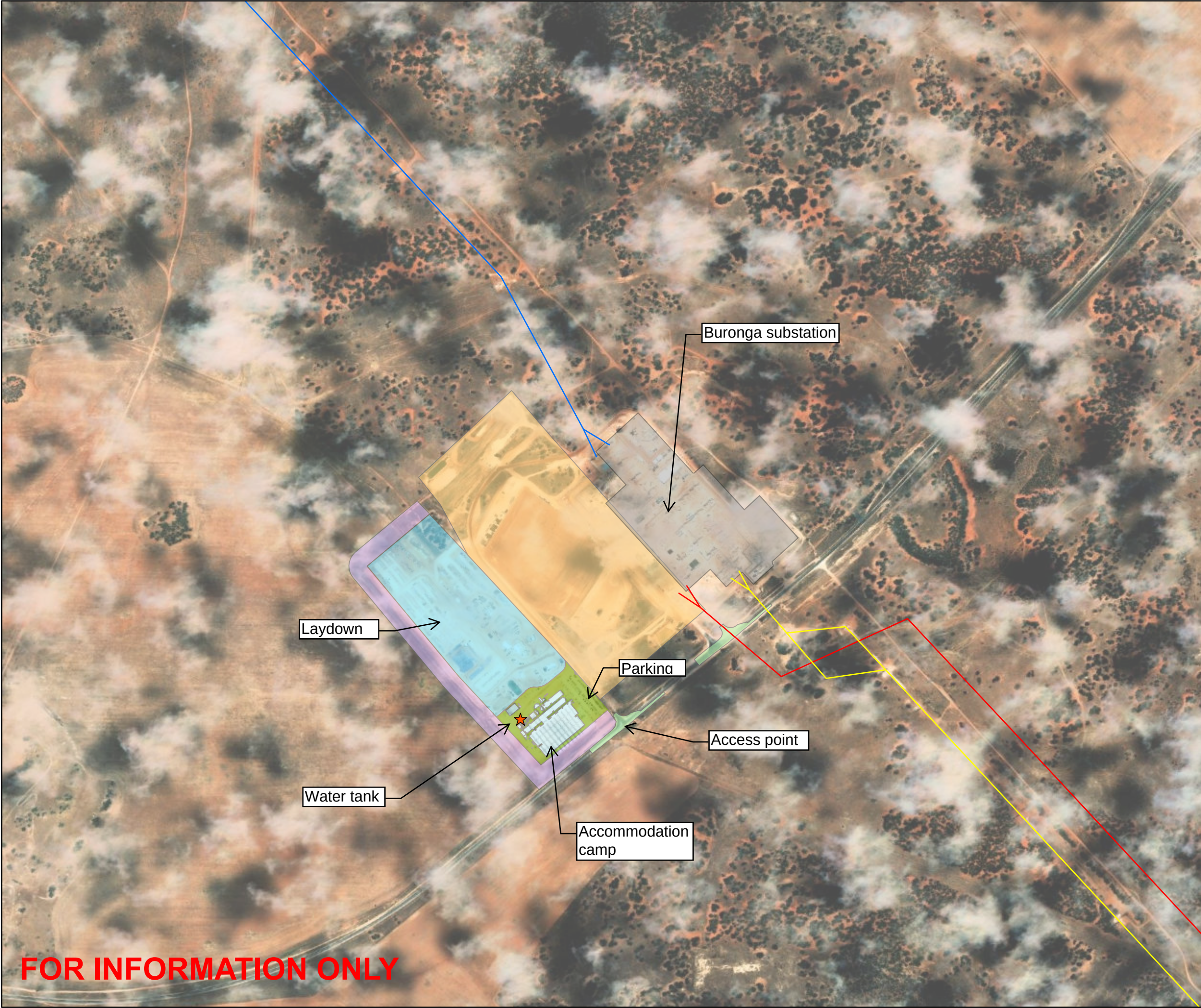
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Hazards for  
Emergency Plan  
Figure 54



## Appendix B - Asset protection zone





Datum: GDA2020 Projection: New South Wales Lambert  
Scale: 1:10,000 (when printed at A3)

- Legend
- Working\_WaterSupplyTanks
- ★ Firefighting Water Supply Tank
- Project Alignment
- L1
  - L2
  - L4
- Buronga Camp Site
- APZ
  - Carpark
  - Batter Extent
  - Borrow Pit Allocated Space
  - Camp Building Pad
  - Camp Extent
  - Laydown
- SubStations Footprints
- SubStations Footprints



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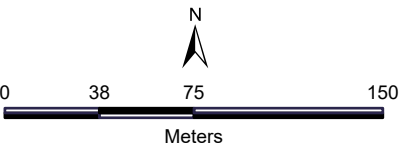
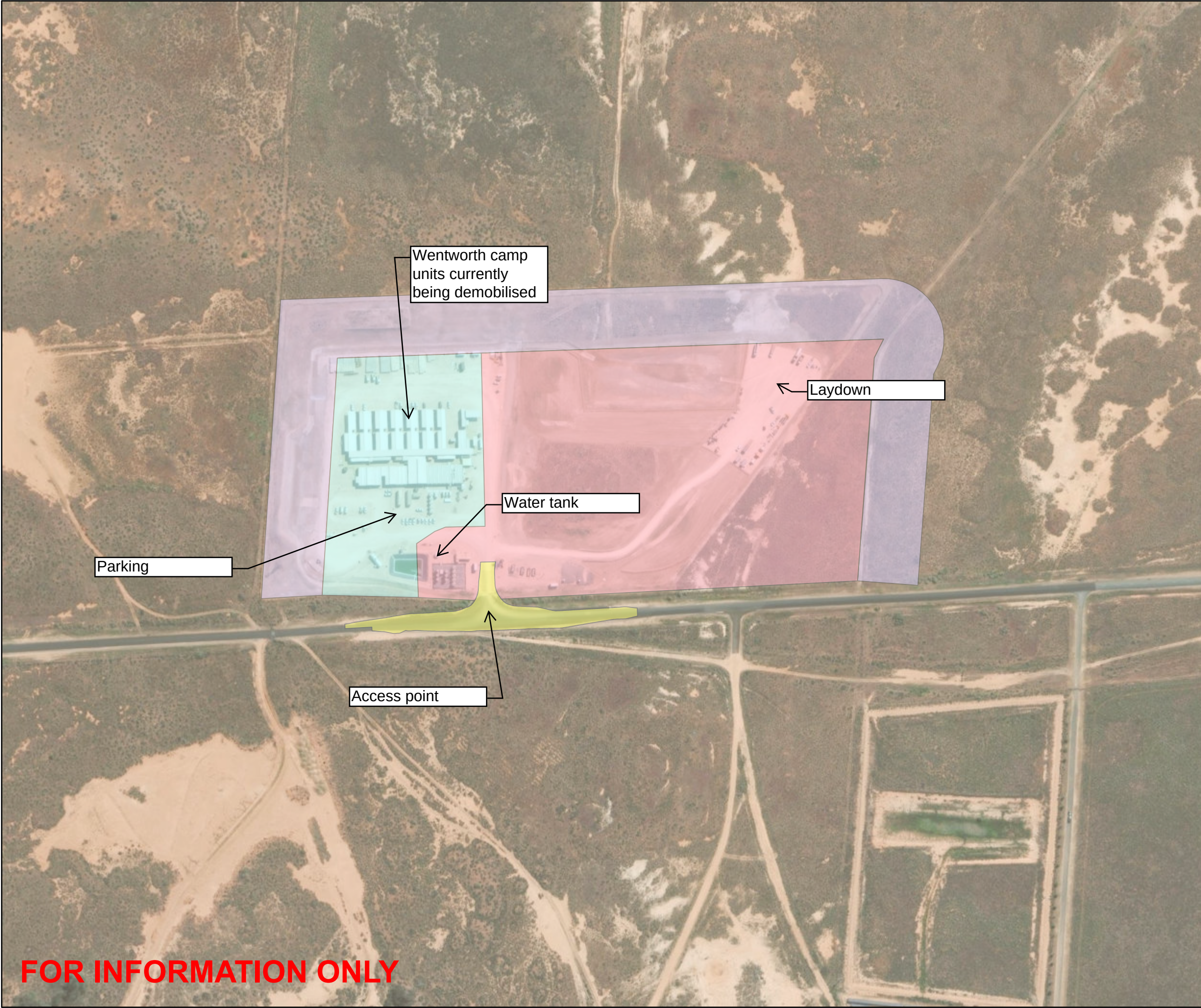
World Imagery: Earthstar Geographics  
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**Asset Protection Zone  
Buronga Compound**

**FOR INFORMATION ONLY**





Datum: GDA2020 Projection: New South Wales Lambert  
Scale: 1:3,000 (when printed at A3)

- Legend
- Wentworth Camp Site
- APZ
  - Access
  - Access Batter Extent
  - Camp
  - Laydown



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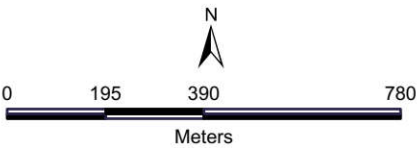
**Asset Protection Zone  
Wentworth Compound**



## Appendix C - Access and egress points for emergency vehicles

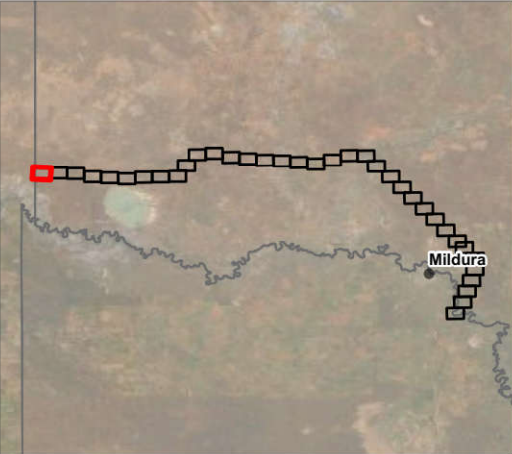
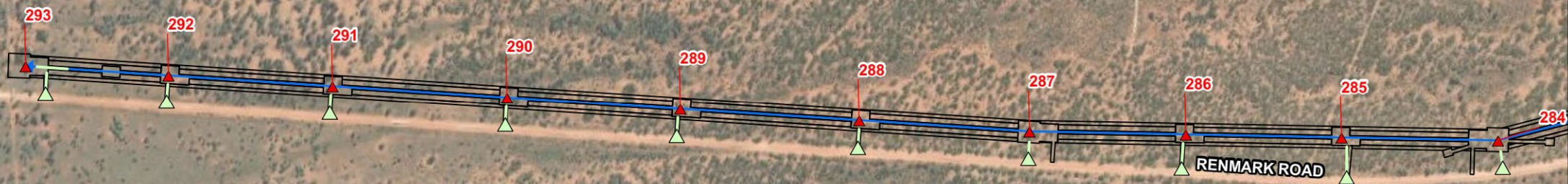


FOR INFORMATION ONLY



Datum: GDA2020 Projection: New South Wales Lambert  
Scale: 1:15,000 (when printed at A3)

- Legend
- △ Access Track Points
  - ▲ Towers
  - Access Tracks
  - Project Alignment L1b
  - ▭ Project Site Boundary
  - Roads



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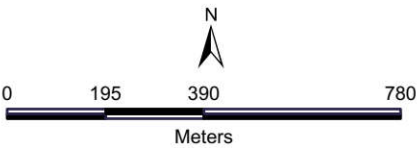
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| DATE:        | 12/10/2021                  |
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Access and Egress  
Points for Emergency  
Vehicles Map 1 of 36

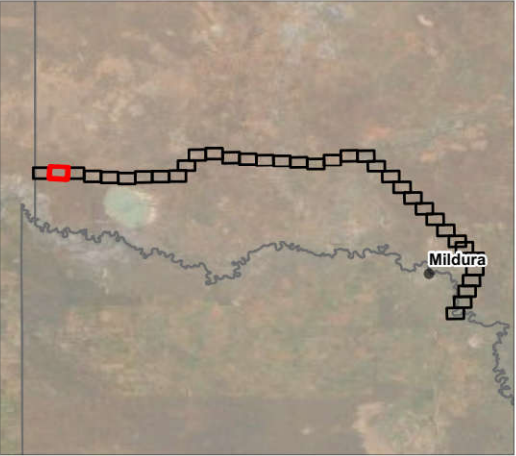
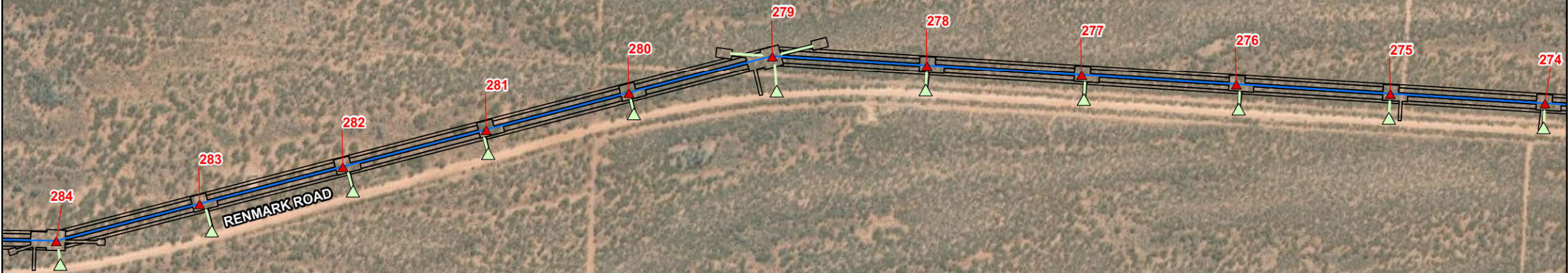


FOR INFORMATION ONLY



Datum: GDA2020 Projection: New South Wales Lambert  
Scale: 1:15,000 (when printed at A3)

- Legend
- Access Track Points
  - Towers
  - Access Tracks
  - Project Alignment L1b
  - Project Site Boundary
  - Roads



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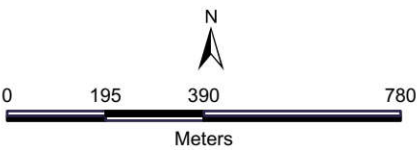
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Access and Egress  
Points for Emergency  
Vehicles Map 2 of 36

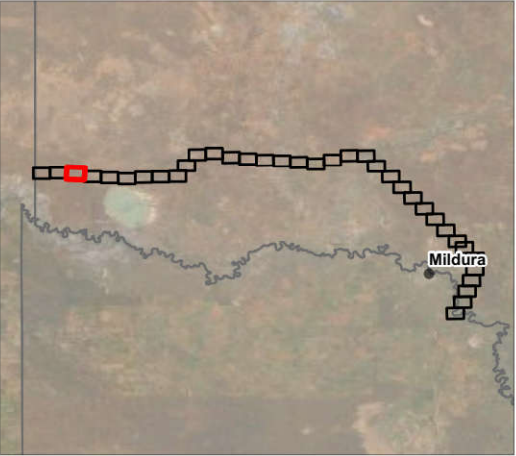


FOR INFORMATION ONLY



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- Legend
- △ Access Track Points
  - ▲ Towers
  - Access Tracks
  - Project Alignment L1b
  - Project Site Boundary
  - Roads



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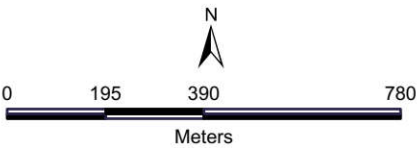
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Access and Egress  
Points for Emergency  
Vehicles Map 3 of 36



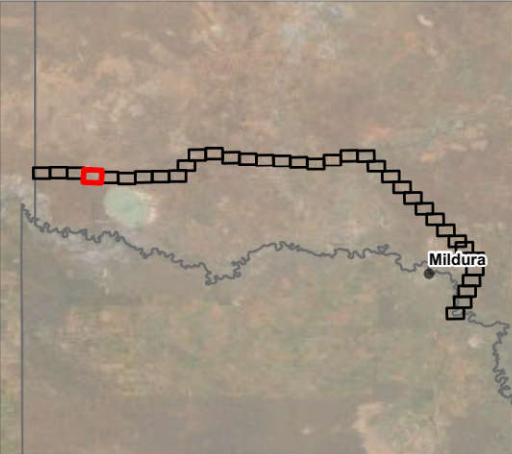
FOR INFORMATION ONLY



Datum: GDA2020 Projection: New South Wales Lambert  
Scale: 1:15,000 (when printed at A3)

Legend

- Access Track Points
- Towers
- Access Tracks
- Project Alignment L1b
- Project Site Boundary
- Roads



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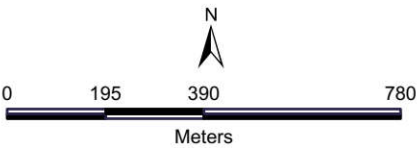
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Access and Egress  
Points for Emergency  
Vehicles Map 4 of 36

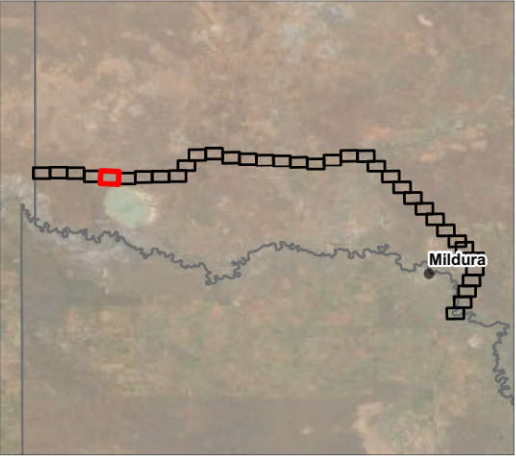


FOR INFORMATION ONLY



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- Legend
- △ Access Track Points
  - ▲ Towers
  - Access Tracks
  - Project Alignment L1b
  - Project Site Boundary
  - Roads



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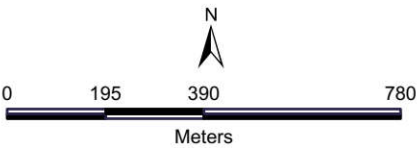
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Access and Egress  
Points for Emergency  
Vehicles Map 5 of 36



FOR INFORMATION ONLY



Datum: GDA2020 Projection: New South Wales Lambert  
Scale: 1:15,000 (when printed at A3)

- Legend
- △ Access Track Points
  - ▲ Towers
  - Access Tracks
  - Project Alignment L1b
  - Project Site Boundary
  - Roads



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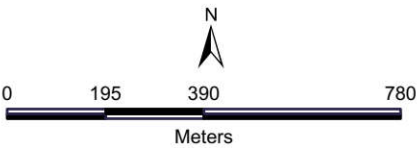
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Access and Egress  
Points for Emergency  
Vehicles Map 6 of 36



FOR INFORMATION ONLY



Datum: GDA2020 Projection: New South Wales Lambert  
Scale: 1:15,000 (when printed at A3)

- Legend
- Access Track Points
  - Towers
  - Access Tracks
  - Project Alignment L1b
  - Project Site Boundary
  - Roads



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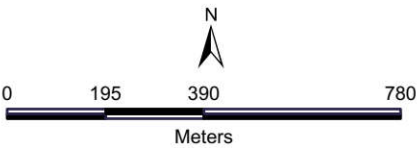
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Access and Egress  
Points for Emergency  
Vehicles Map 7 of 36

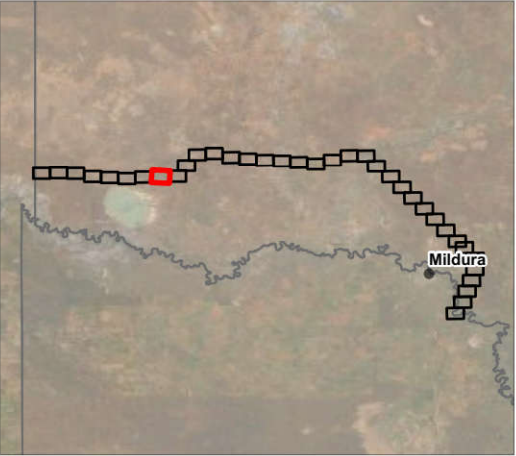


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- Legend
- Access Track Points
  - Towers
  - Access Tracks
  - Project Alignment L1b
  - Project Site Boundary
  - Roads



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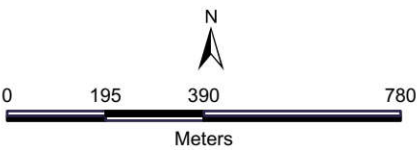
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Access and Egress  
Points for Emergency  
Vehicles Map 8 of 36



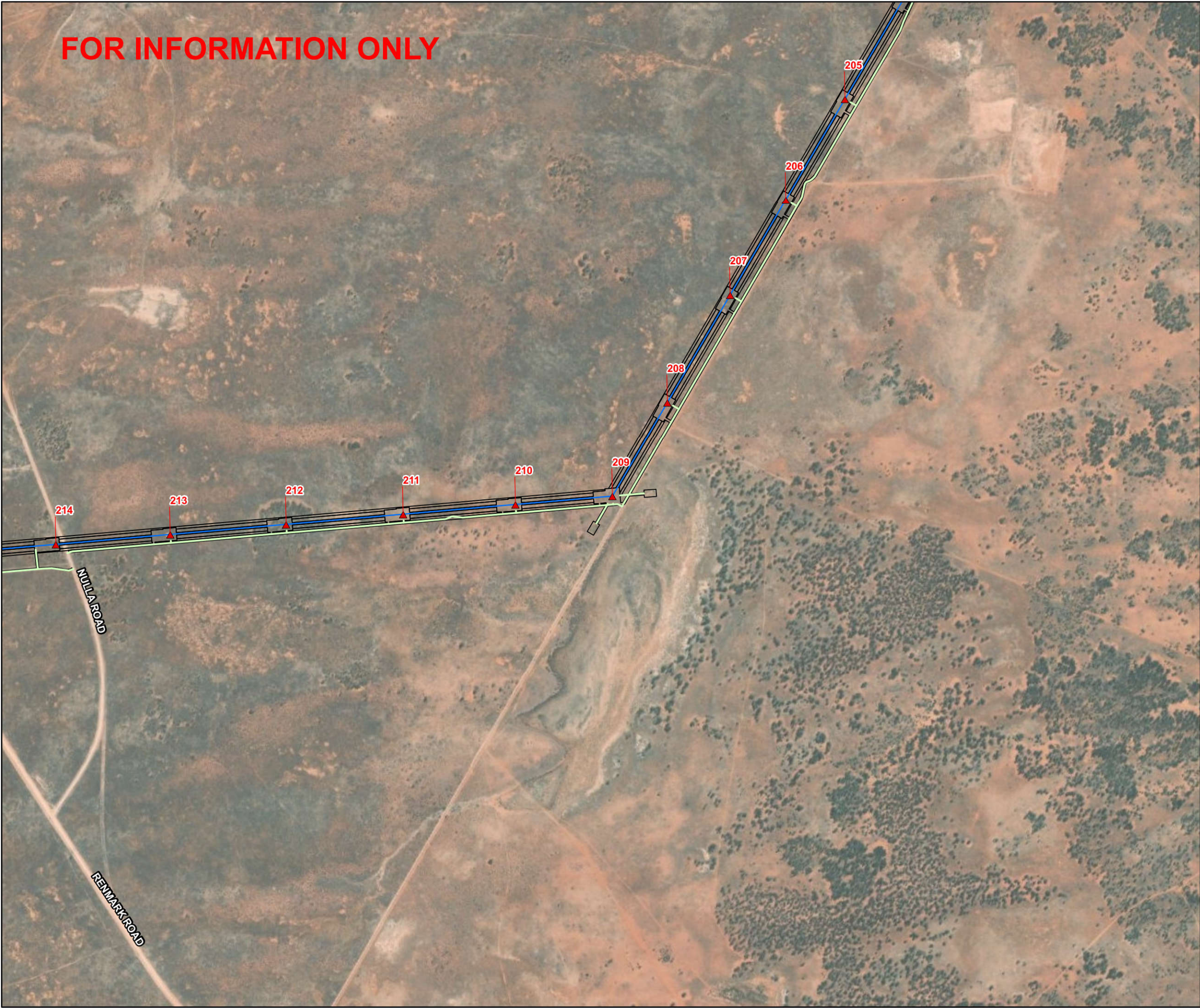
FOR INFORMATION ONLY



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Scale: 1:15,000 (when printed at A3)

Legend

- Towers
- Access Tracks
- Project Alignment L1b
- Project Site Boundary
- Roads



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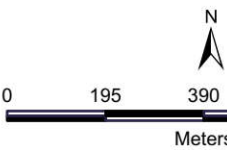
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Access and Egress  
Points for Emergency  
Vehicles Map 9 of 36



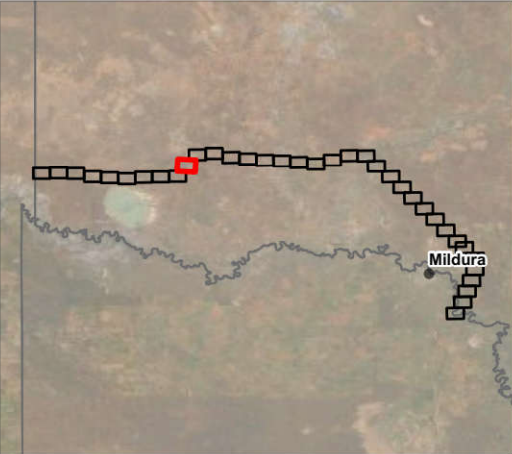
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Legend

- Towers
- Access Tracks
- Project Alignment L1b
- Project Site Boundary
- Roads



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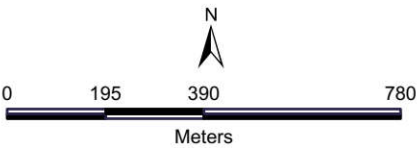
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Access and Egress  
Points for Emergency  
Vehicles Map 10 of 36

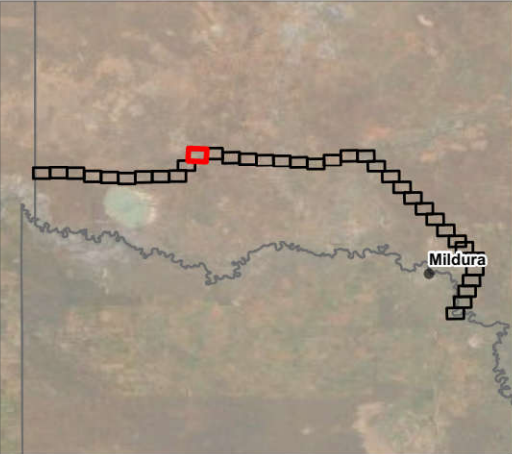


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- Legend
- Towers
  - Access Tracks
  - Project Alignment L1b
  - Project Site Boundary
  - Roads



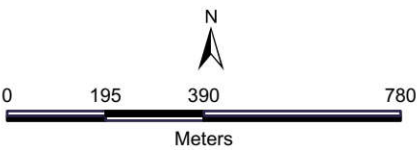
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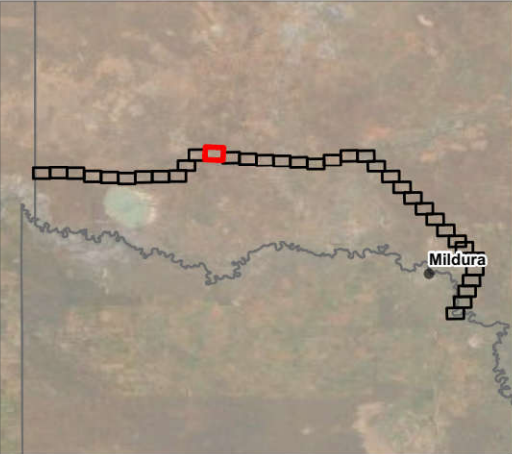
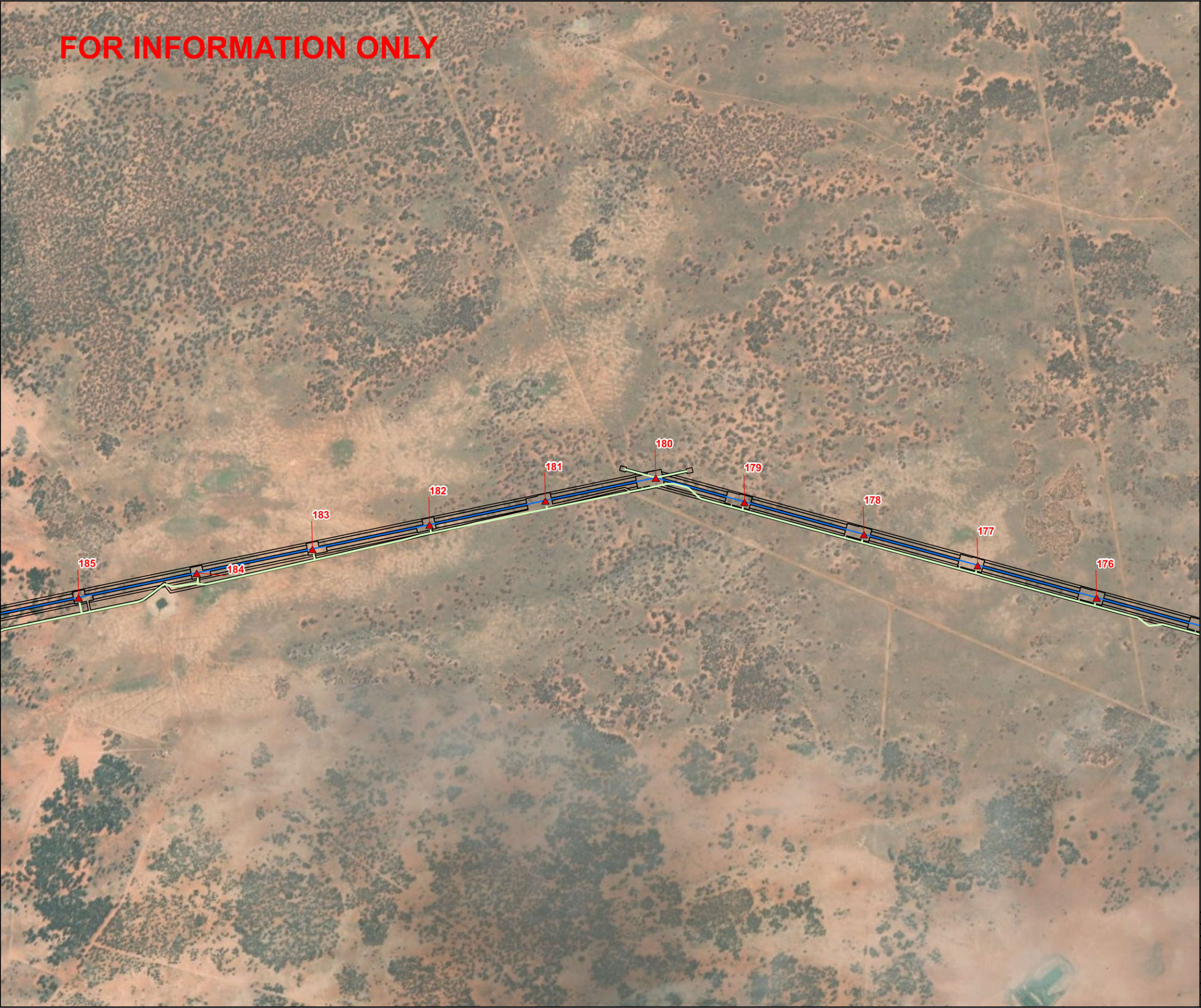


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- Legend
- Towers
  - Access Tracks
  - Project Alignment L1b
  - Project Site Boundary
  - Roads



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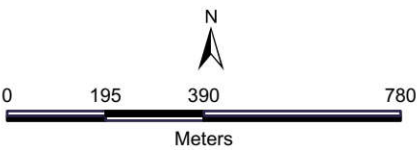
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Access and Egress  
Points for Emergency  
Vehicles Map 12 of 36

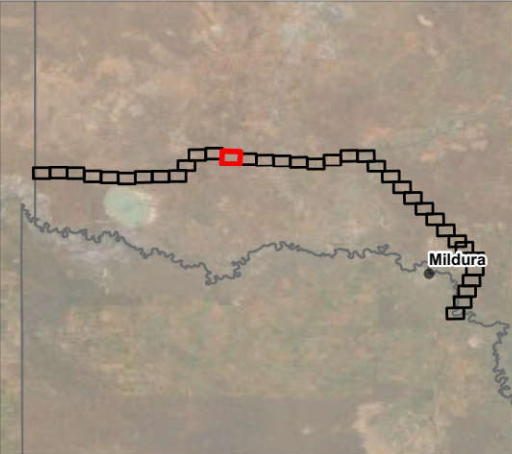
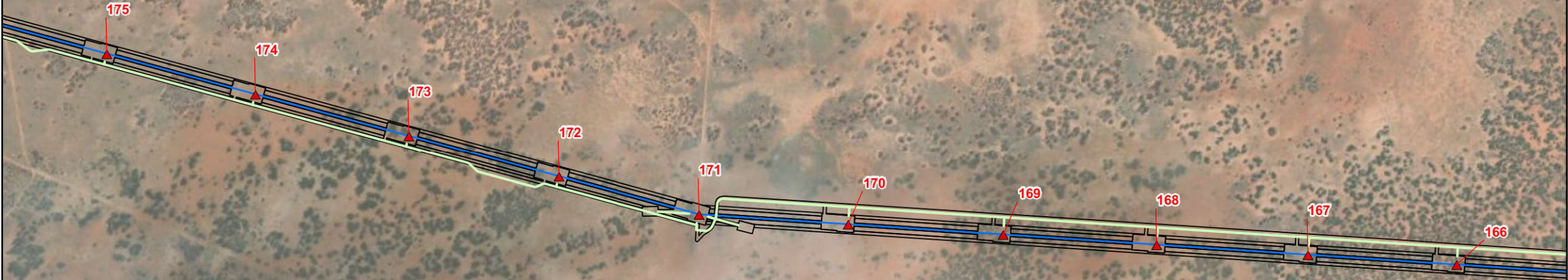


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Datum: GDA2020 Projection: New South Wales Lambert  
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- Legend
- Towers
  - Access Tracks
  - Project Alignment L1b
  - Project Site Boundary
  - Roads



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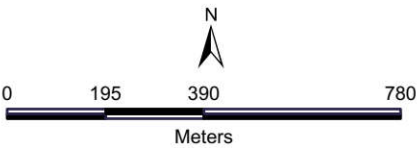
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Access and Egress  
Points for Emergency  
Vehicles Map 13 of 36

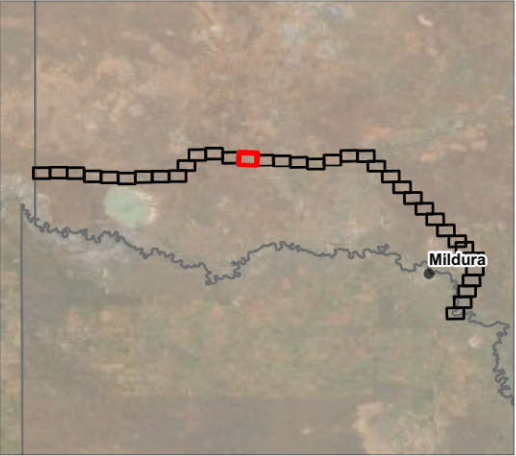


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Scale: 1:15,000 (when printed at A3)

- Legend
- Towers
  - Access Tracks
  - Project Alignment L1b
  - Project Site Boundary
  - Roads



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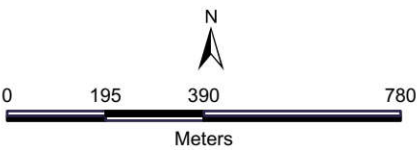
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Access and Egress  
Points for Emergency  
Vehicles Map 14 of 36



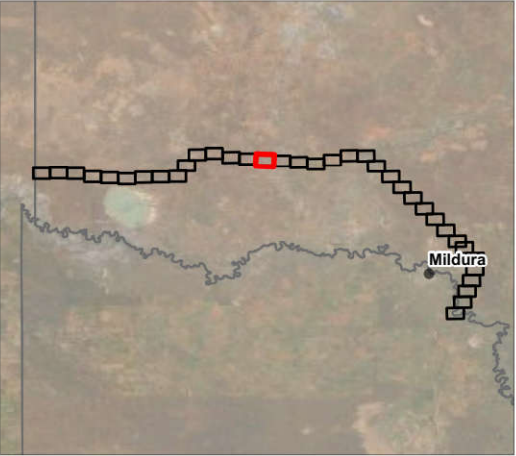
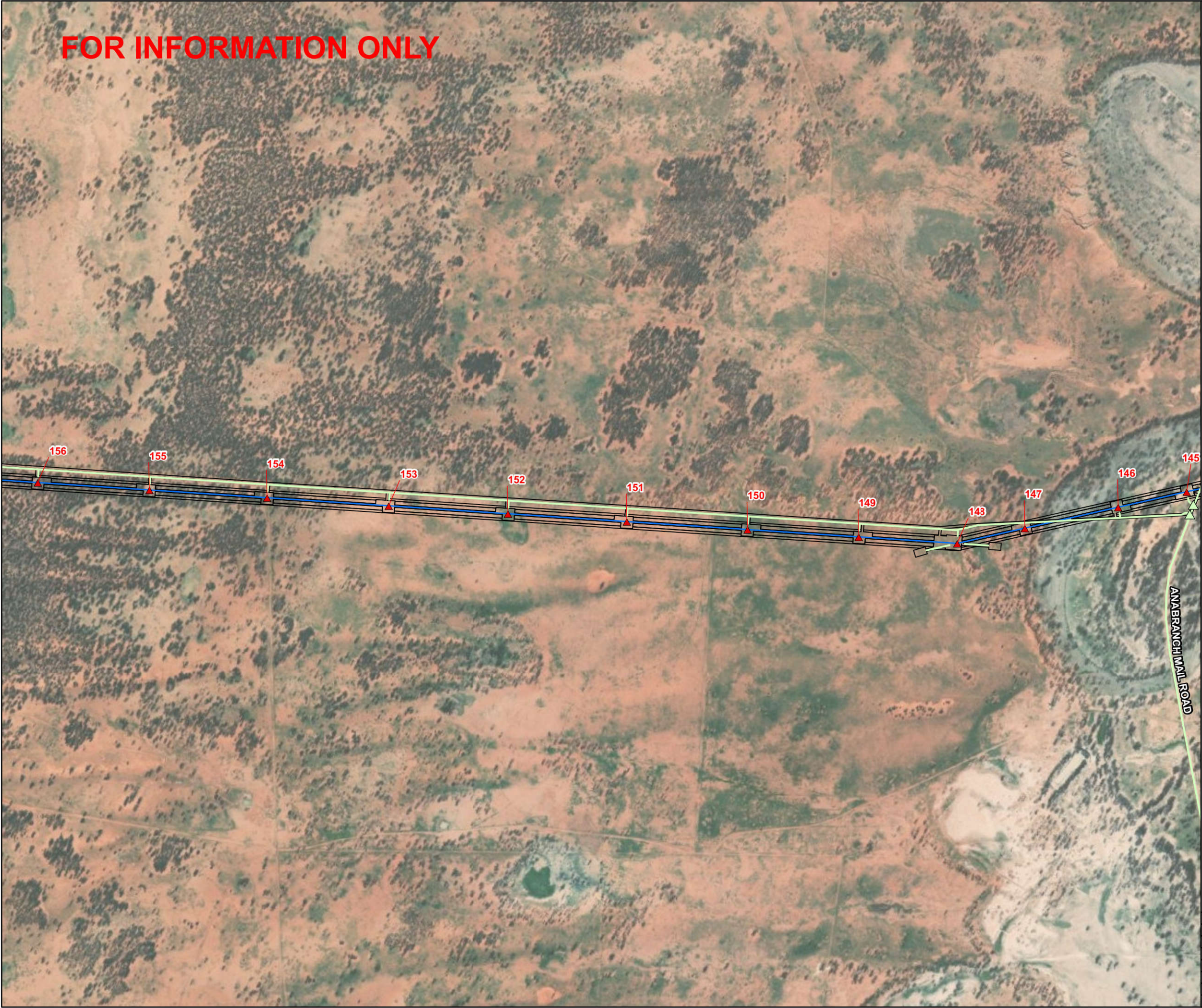
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Scale: 1:15,000 (when printed at A3)

Legend

- △ Access Track Points
- ▲ Towers
- Access Tracks
- Project Alignment L1b
- ▭ Project Site Boundary
- Roads



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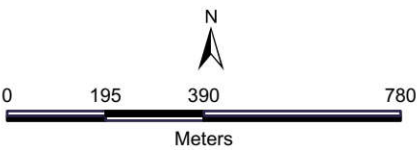
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Access and Egress  
Points for Emergency  
Vehicles Map 15 of 36



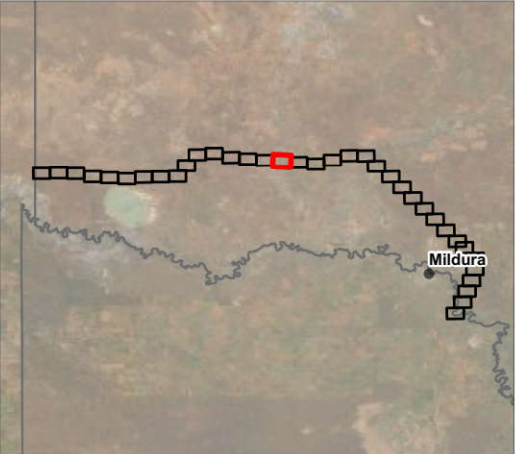
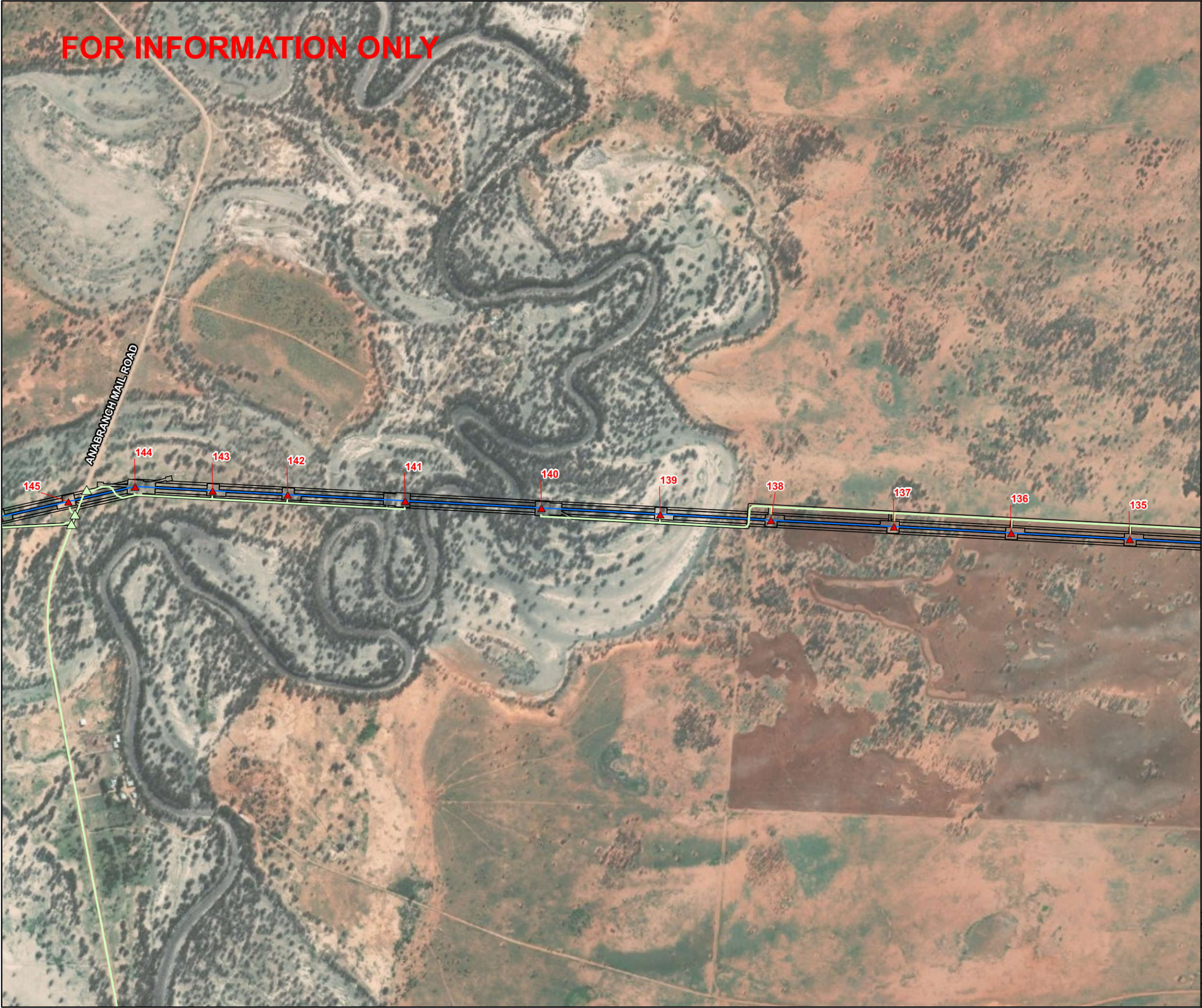
FOR INFORMATION ONLY



Datum: GDA2020 Projection: New South Wales Lambert  
Scale: 1:15,000 (when printed at A3)

Legend

- Access Track Points
- Towers
- Access Tracks
- Project Alignment L1b
- Project Site Boundary
- Roads



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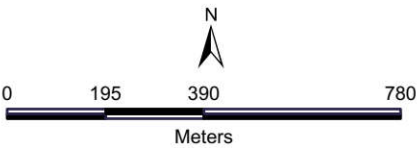
World Imagery: Earthstar Geographics  
World Imagery: Maxar

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| REVIEWED:    | ML                          |
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| APPROVED:    | XXX                         |
| REV:         | B                           |
| DATE:        | 12/10/2021                  |
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| DRAWING NO:  | 45860-MP-10001-G-XXXXX.xxxx |

Access and Egress  
Points for Emergency  
Vehicles Map 16 of 36

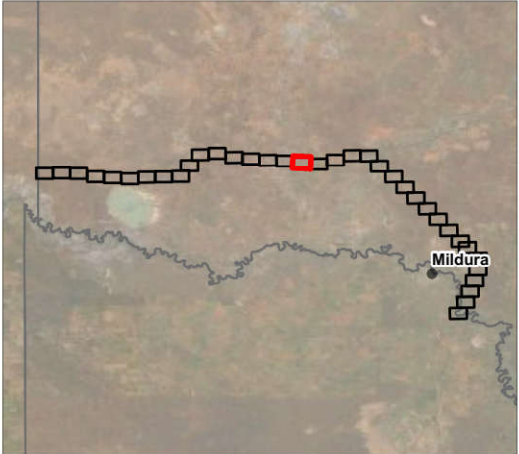


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Datum: GDA2020 Projection: New South Wales Lambert  
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- Legend
- Access Track Points
  - Towers
  - Access Tracks
  - Project Alignment L1b
  - Project Site Boundary
  - Roads



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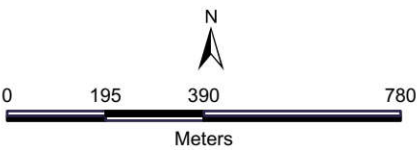
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Access and Egress  
Points for Emergency  
Vehicles Map 17 of 36

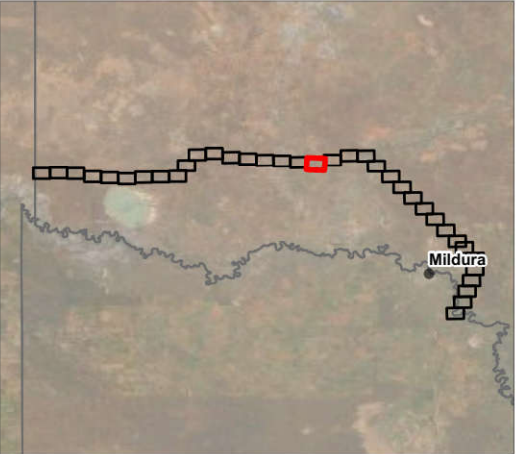


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- Legend
- △ Access Track Points
  - ▲ Towers
  - Access Tracks
  - Project Alignment L1b
  - Project Site Boundary
  - Roads



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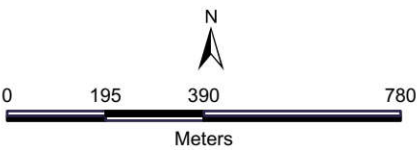
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Access and Egress  
Points for Emergency  
Vehicles Map 18 of 36

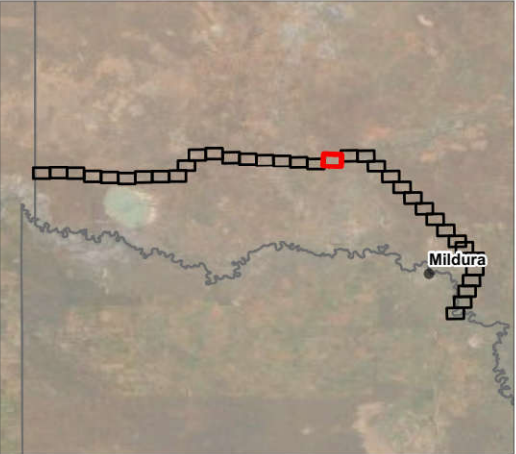


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- Legend
- Towers
  - Access Tracks
  - Project Alignment L1b
  - Project Site Boundary
  - Roads



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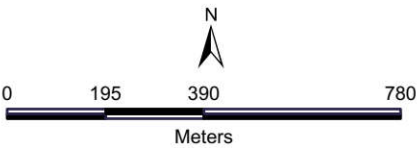
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Access and Egress  
Points for Emergency  
Vehicles Map 19 of 36

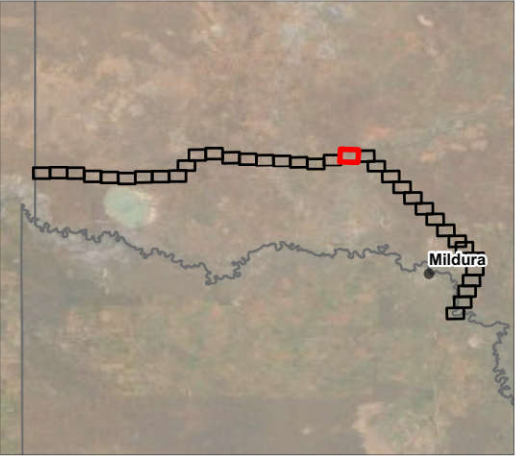
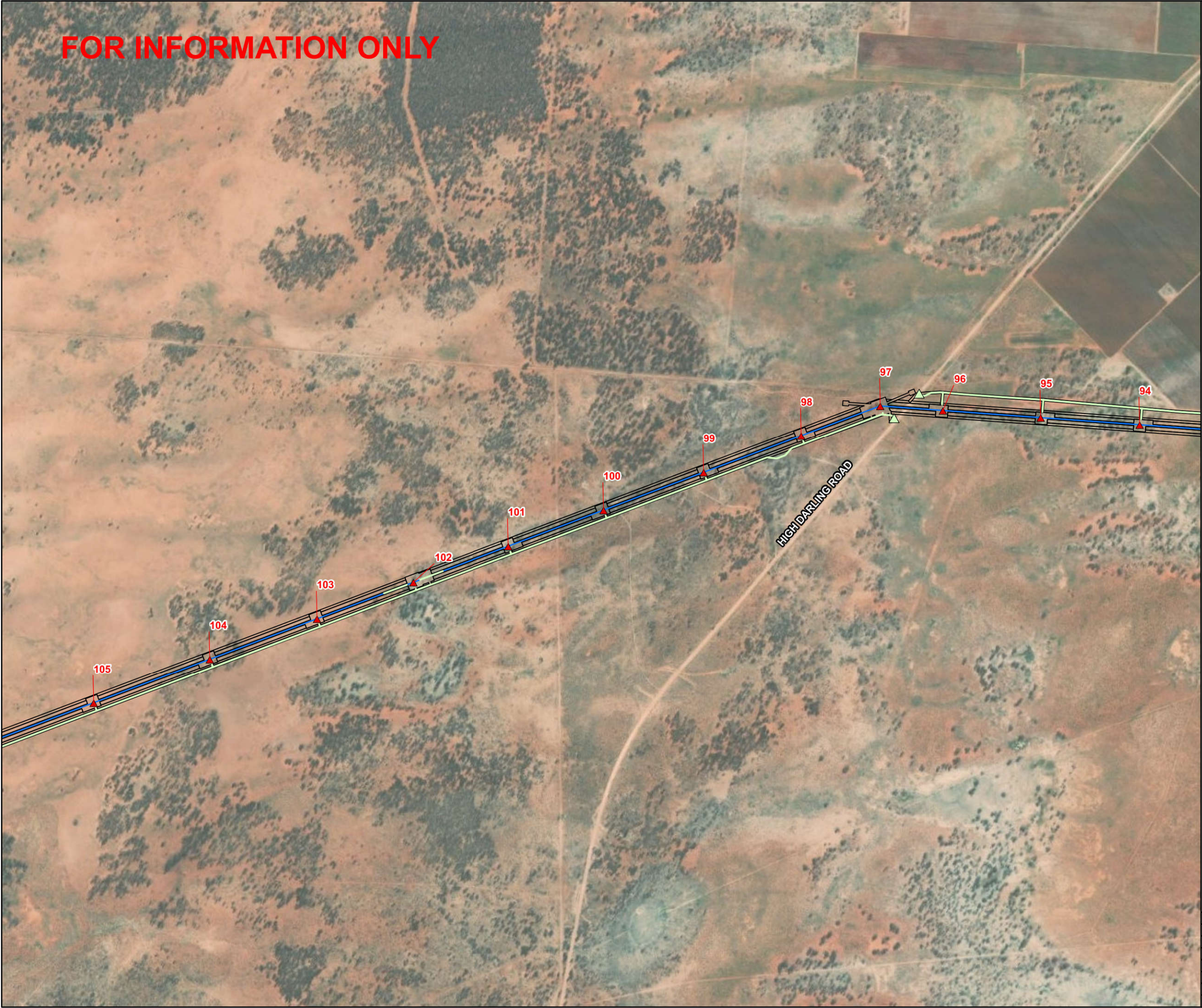


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- Legend
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  - ▲ Towers
  - Access Tracks
  - Project Alignment L1b
  - Project Site Boundary
  - Roads



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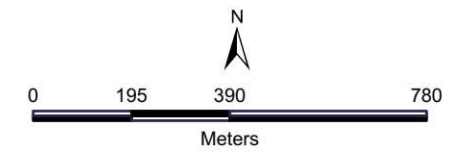
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Access and Egress  
Points for Emergency  
Vehicles Map 20 of 36



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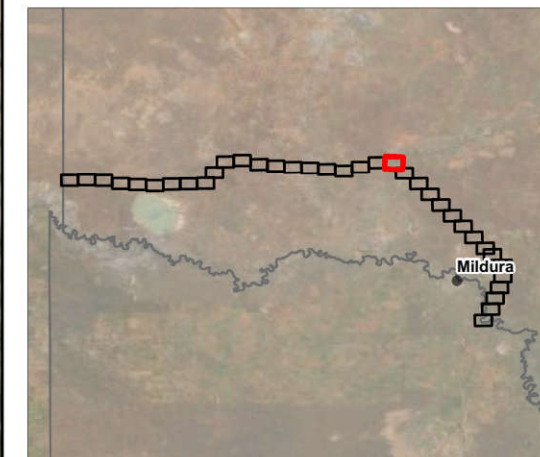
HIGH DARLING ROAD



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Legend

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- Towers
- Access Tracks
- Project Alignment L1b
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- Roads



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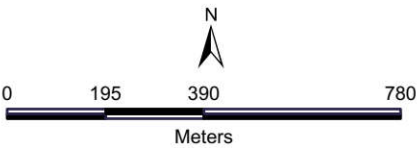
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Access and Egress  
Points for Emergency  
Vehicles Map 21 of 36

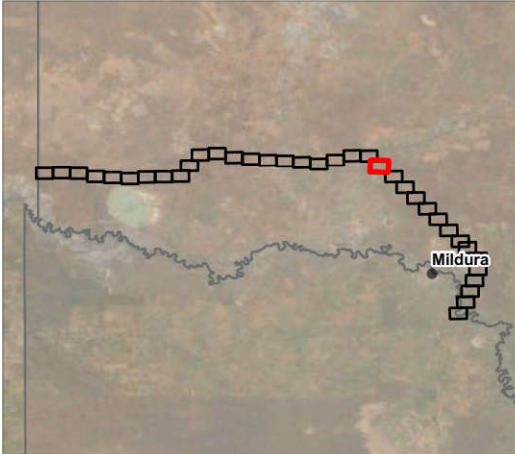


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Datum: GDA2020 Projection: New South Wales Lambert  
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- Legend
- △ Access Track Points
  - ▲ Towers
  - Access Tracks
  - Project Alignment L1b
  - Project Site Boundary
  - Roads



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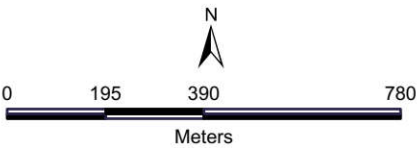
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Access and Egress  
Points for Emergency  
Vehicles Map 22 of 36

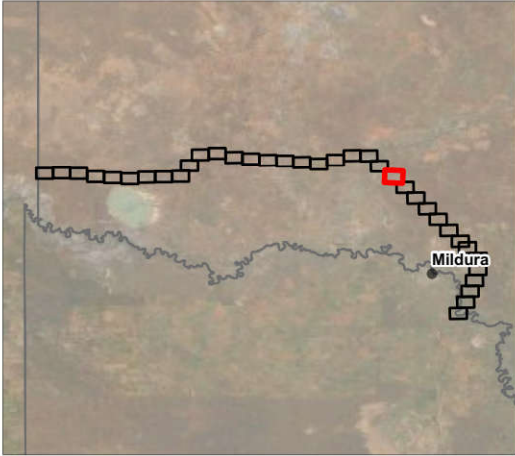


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Datum: GDA2020 Projection: New South Wales Lambert  
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- Legend
- Towers
  - Access Tracks
  - Project Alignment L1b
  - Project Site Boundary
  - Roads



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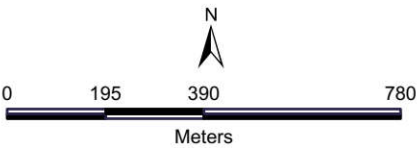
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Access and Egress  
Points for Emergency  
Vehicles Map 23 of 36



FOR INFORMATION ONLY



Datum: GDA2020 Projection: New South Wales Lambert  
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Legend

- Towers
- Access Tracks
- Project Alignment L1b
- Project Site Boundary
- Roads



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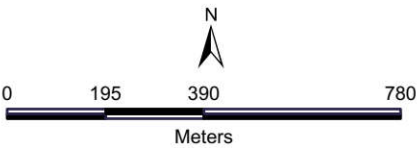
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Access and Egress  
Points for Emergency  
Vehicles Map 24 of 36

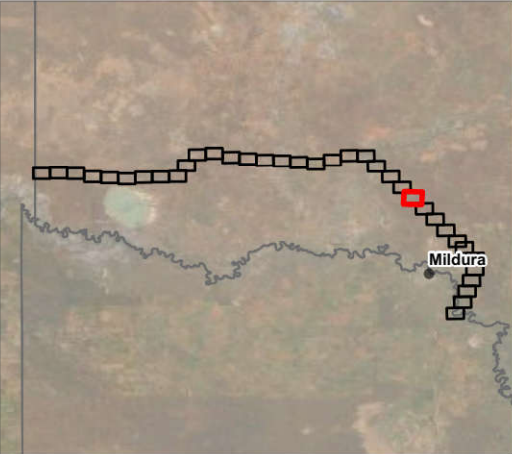


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- Legend
- Towers
  - Access Tracks
  - Project Alignment L1b
  - Project Site Boundary
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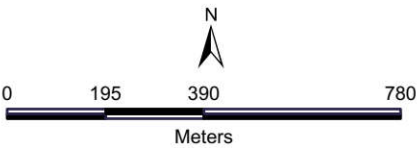
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Access and Egress  
Points for Emergency  
Vehicles Map 25 of 36

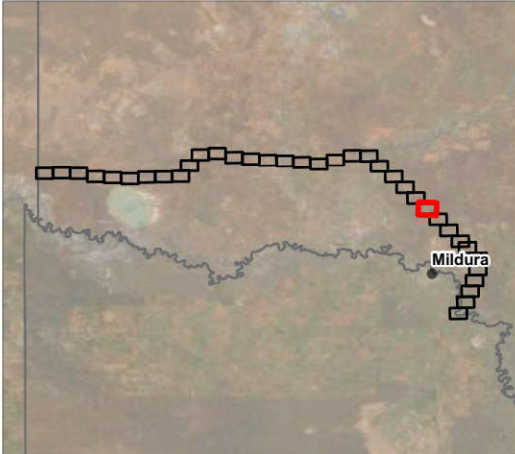


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Datum: GDA2020 Projection: New South Wales Lambert  
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- Legend
- Towers
  - Access Tracks
  - Project Alignment L1b
  - Project Site Boundary
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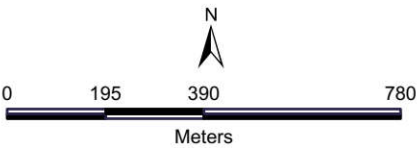
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Access and Egress  
Points for Emergency  
Vehicles Map 26 of 36



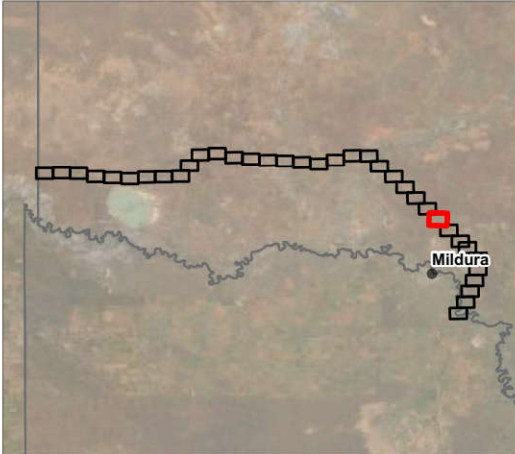
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Datum: GDA2020 Projection: New South Wales Lambert  
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Legend

- Towers
- Access Tracks
- Project Alignment L1b
- Project Site Boundary
- Roads



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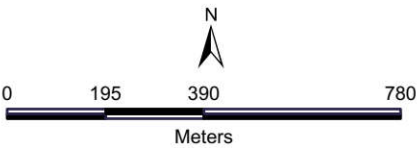
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Access and Egress  
Points for Emergency  
Vehicles Map 27 of 36

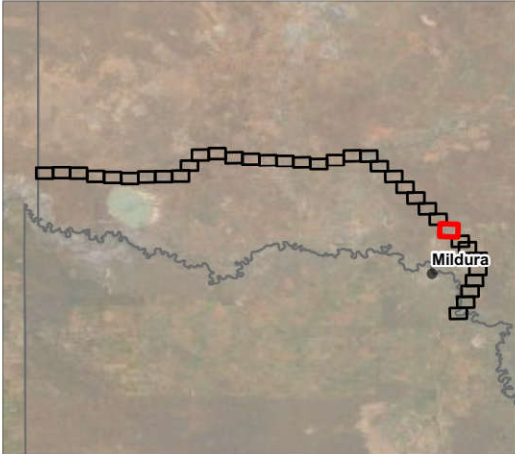


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- Legend
- Towers
  - Access Tracks
  - Project Alignment L1b
  - Project Site Boundary
  - Roads



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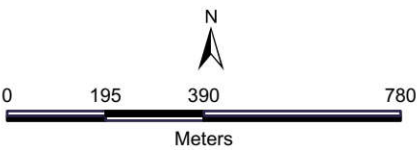
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Access and Egress  
Points for Emergency  
Vehicles Map 28 of 36



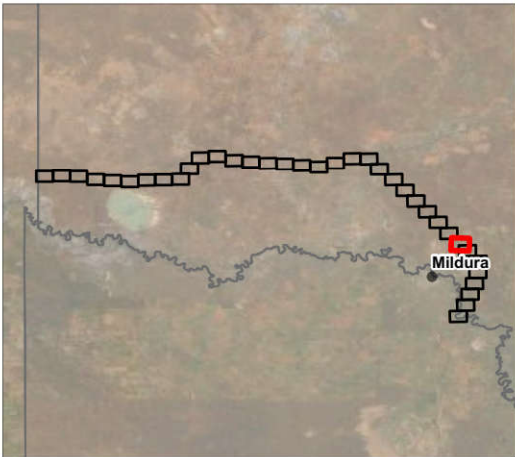
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Datum: GDA2020 Projection: New South Wales Lambert  
Scale: 1:15,000 (when printed at A3)

Legend

- △ Access Track Points
- ▲ Towers
- Access Tracks
- Project Alignment L1a
- Project Alignment L1b
- Project Alignment L2a
- Project Alignment L2b
- Project Alignment L4
- Project Site Boundary
- Roads



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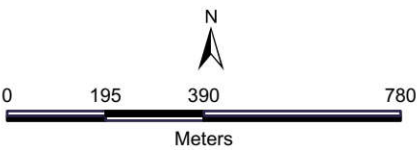
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Access and Egress  
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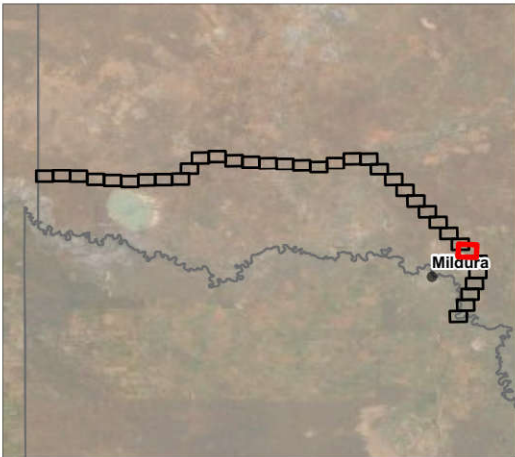
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Legend

- △ Access Track Points
- ▲ Towers
- Access Tracks
- Project Alignment L1a
- Project Alignment L1b
- Project Alignment L2a
- Project Alignment L2b
- Project Alignment L4
- Project Site Boundary
- Roads



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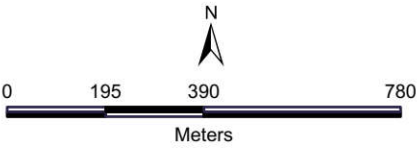
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Access and Egress  
Points for Emergency  
Vehicles Map 30 of 36

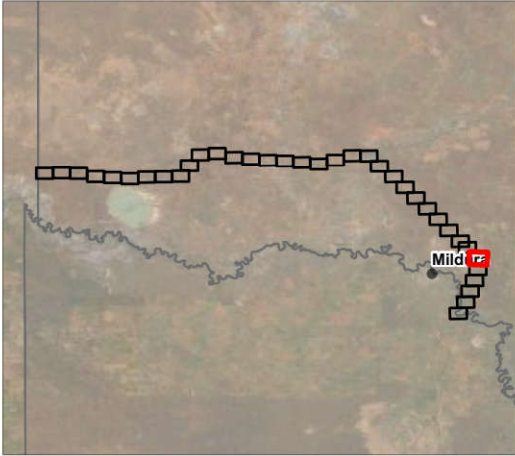


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- Legend
- Towers
  - Access Tracks
  - Project Alignment L2b
  - Project Alignment L4
  - Project Site Boundary
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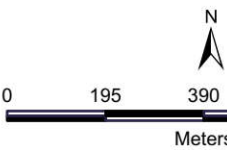
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Access and Egress  
Points for Emergency  
Vehicles Map 31 of 36



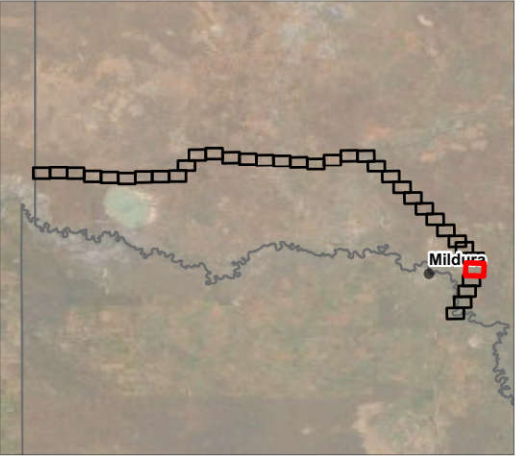
FOR INFORMATION ONLY



Datum: GDA2020 Projection: New South Wales Lambert  
Scale: 1:15,000 (when printed at A3)

Legend

- Access Track Points
- Towers
- Access Tracks
- Project Alignment L2b
- Project Alignment L4
- Project Site Boundary
- Roads



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World Imagery: Earthstar Geographics  
World Imagery: Maxar

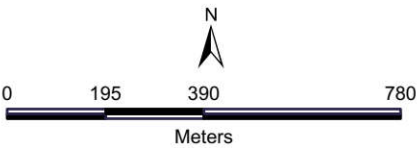
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| APPROVED:    | XXX                         |
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Access and Egress  
Points for Emergency  
Vehicles Map 32 of 36



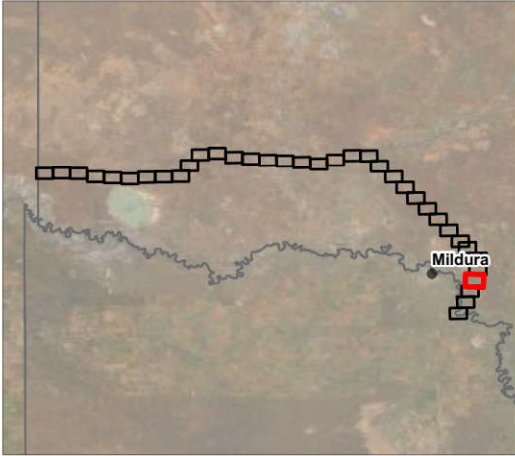
FOR INFORMATION ONLY

DANSONS ROAD



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- Legend
- Towers
  - Access Tracks
  - Project Alignment L4
  - Project Site Boundary
  - Roads



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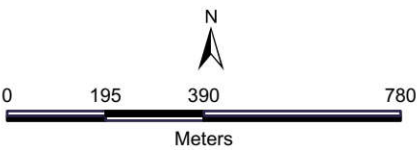
World Imagery: Earthstar Geographics  
World Imagery: Maxar

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| DRAWING NO:  | 45860-MP-10001-G-XXXXX.xxxx |

Access and Egress  
Points for Emergency  
Vehicles Map 33 of 36



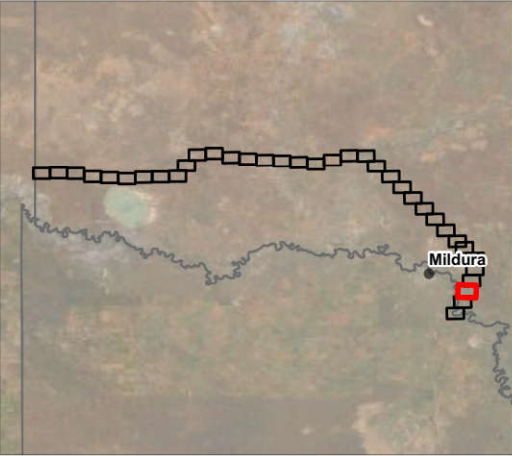
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Datum: GDA2020 Projection: New South Wales Lambert  
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Legend

- Towers
- Access Tracks
- Project Alignment L4
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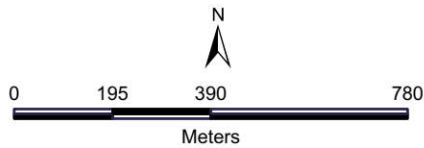
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World Imagery: Maxar

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Access and Egress  
Points for Emergency  
Vehicles Map 34 of 36

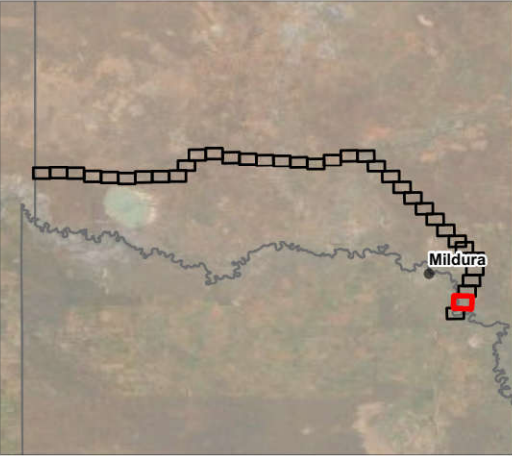


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Datum: GDA2020 Projection: New South Wales Lambert  
Scale: 1:15,000 (when printed at A3)

- Legend
- △ Access Track Points
  - ▲ Towers
  - Access Tracks
  - Project Alignment L4
  - Project Site Boundary
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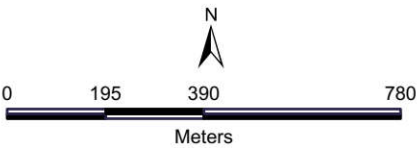
World Imagery: Earthstar Geographics  
World Imagery: Maxar

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Access and Egress  
Points for Emergency  
Vehicles Map 35 of 36



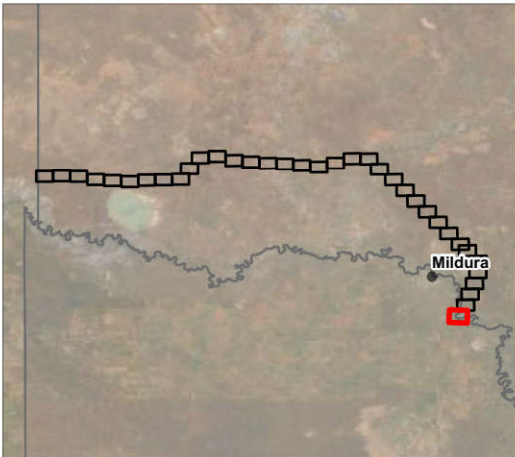
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Legend

- Access Track Points
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World Imagery: Earthstar Geographics  
World Imagery: Maxar

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Access and Egress  
Points for Emergency  
Vehicles Map 36 of 36