

Mortlake South Wind Farm – 220kV Underground Transmission Line

Environmental Management Plan

February 2020

**PLANNING and ENVIRONMENT ACT
MOYNE & CORANGAMITE PLANNING
SCHEME**

**PERMIT NO. PA1900603 & 1900604
CONDITION 7
ENDORSED PLAN
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Date: 26/02/2020

PROJECT:	Mortlake South Wind Farm 220kV UG Transmission Line
TITLE:	Environmental Management Plan
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NAME OF ORGANISATION:	ACCIONA Energy Australia Global Pty Ltd
NAME OF DOCUMENT:	Mortlake Wind Farm TX Line - Environmental Management Plan - February 2020 v7 Tracked Changes

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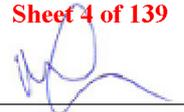
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1. Glossary

Term	Meaning
ACCIONA	ACCIONA Energy Australia Global Pty Ltd
CCMA	Corangamite Catchment Management Authority
CEMP	Construction Environmental Management Plan
CFA	Country Fire Authority
CHMP	Cultural Heritage Management Plan
Commission Date	For the purposes of this EMP, commissioning of the transmission line refers to the date one week after the underground transmission line has been installed and tested.
Construction Phase	The construction phase includes all 220kV transmission line related activity after the commencement of construction, including commissioning activities, but before the commission date.
EMM	Environmental Mitigation Measure
EMP	Environmental Management Plan
GHCMA	Glenelg Hopkins Catchment Management Authority
HSE	Health Safety and Environment
JSA	Job Safety Analysis
MSC	Moyne Shire Council
CSP	Corangamite Shire Council
MSDS	Material Safety Data Sheet
MSWF	Mortlake South Wind Farm
Operation Phase	The operations phase includes all electricity related activity after the commission date.
TMP	Traffic Management Plan
GGF	Growling Grass Frog

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PART A ENVIRONMENTAL MANAGEMENT FRAMEWORK

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2. Introduction

2.1. Project Overview

ACCIONA is to construct, own and operate an underground 220kV transmission cable between the Mortlake South Wind Farm (MSWF) substation and the grid connection at the Terang South Terminal. The transmission cable alignment will traverse approximately 15km of land controlled by both the Moyne Planning Scheme (MPS) and Corangamite Planning Scheme (CSP).

The MSWF is a renewable energy facility that will be located in Western Victoria. The wind farm will consist of 35 wind turbines with a total nameplate capacity of 157.5MW of electrical generation. The turbines will be located to the south of Mortlake over 48 rural parcels. The MSWF commenced construction in early 2019.

Planning Permits PA1900603 & PA1900604 were approved by the Minister of Planning in December 2019 which facilitates the construction of the transmission line.

ACCIONA'S specialist construction team will be responsible for the construction and installation works.

2.2. Purpose of this Document

This EMP establishes the environmental management procedures and controls to be implemented by ACCIONA, its employees, construction contractors and associated sub-contractors during the construction, operation and decommissioning phases of the 220kV underground transmission cable.

This EMP addresses Condition 7 of Planning Permit PA1900603 & PA1900604 for the construction and operation of the transmission line.

The objectives of the EMP are to:

- Provide information about the key environmental risk factors associated with the project.
- Provide an overview of the environmental regulatory environment in which the project exists.
- Outline ACCIONA and contractor responsibilities for environmental management.
- Detail environmental management procedures and controls.
- Outline monitoring, audit and reporting requirements for environmental management.
- Provide a transparent and layered management structure from which further construction guidelines, environmental procedures and plans can be drawn.

2.3. Document Structure

The EMP is structured in three parts:

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Part A: Environmental Management Framework

- **Part A** of this document contains background and supporting information such as the project description, environmental risk factors, approval and licensing requirements and the environmental management framework.
- **Part B** contains the environmental management procedures to be implemented during construction.
- **Part C** outlines the environmental management procedures to be implemented during the operation and decommissioning phases of the project.

The EMP sets out the actions required for ACCIONA to demonstrate compliance with the planning permits PA1900603 & PA1900604. Any activity specific CEMP required during construction (either prepared by ACCIONA or its contractors) will be required to comply with this EMP.

2.4. Statutory Requirements of this EMP

Condition 7 of Planning Permit PA1900603 & Planning Permit PA1900604 set out the statutory requirements of this EMP.

Table 2.4-1 Statutory Requirements of the EMP provides a response against each of the permit requirements and where each requirement is addressed in the document.

Table 2.4-1 Statutory Requirements of the EMP

Condition		Specific Environmental Management Measure (EMM) in this EMP
2	The native vegetation permitted to be removed, destroyed or lopped under this permit is 2.421 hectares (Moyne Shire) and 1.507 hectares (Corangamite Shire) of native vegetation, as described in Appendix 3.1 (NVR Report) of the <i>Biodiversity Assessment: Mortlake South Wind Farm Underground Transmission Line</i> (Ecology and Heritage Partners, July 2019). The removal of vegetation must only be to the minimum extent necessary to allow the installation of the transmission line.	EMM-23 EMM-56 EMM-57 EMM-62 EMM-63 EMM-64 EMM-66 EMM-67 EMM-72

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Condition		Specific Environmental Management Measure (EMM) in this EMP
3	<p>To offset the removal of 2.421 hectares (Moyne Shire) and 1.507 hectares (Corangamite Shire) of native vegetation, the permit holder must secure the following native vegetation offset in accordance with Guidelines for the removal, destruction or lopping of native vegetation (DELWP 2017):</p> <p>a) A general offset of 0.526 General Habitat Units (Moyne Shire) and a general offset of 0.363 (Corangamite Shire):</p> <p>i) Located within the Glenelg Hopkins Catchment Management boundary or Corangamite Shire or Moyne Shire municipal areas.</p> <p>ii) With a minimum Strategic Biodiversity Value of at least 0.256 (Moyne Shire) or 0.248 (Corangamite Shire).</p>	<p>EMM-23 EMM-56</p>
4	<p>Before any native vegetation is removed, evidence that the required offset has been secured must be provided to the satisfaction of the responsible authority. This evidence must be one or both of the following:</p> <p>a) An established first party offset site including a security agreement signed by both parties, and a management plan detailing the 10-year management actions and ongoing management of the site, and/or</p> <p>b) Credit extract(s) allocated to the permit from the Native Vegetation Credit Register.</p>	<p>EMM-56</p>
5	<p>A copy of the offset evidence will be endorsed by the responsible authority and form part of this permit. Within 30 days of endorsement of the offset evidence, a copy of the endorsed offset evidence must be provided to Planning Approvals at the Department of Environment, Land, Water and Planning Barwon South West regional office via BSW.planning@delwp.vic.gov.au.</p>	<p>EMM-56</p>

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Part A: Environmental Management Framework

Condition		Specific Environmental Management Measure (EMM) in this EMP
6	Within 6 months of the conclusion of the permitted clearing of native vegetation under this permit, the offset requirements can be reconciled with the written agreement of the responsible authority and DELWP.	EMM-56
7	Before any works start, a Construction Environmental Management Plan must be prepared to the satisfaction of the responsible authority and DELWP. When approved, the plans will be endorsed and form part of this permit. The plan must: a) be generally in accordance with the <i>Biodiversity Assessment: Mortlake South Wind Farm Underground Transmission Line</i> (Ecology and Heritage Partners, July 2019),	Part A, B and C of this EMP
7	b) describe measures to minimise the amenity and environmental impacts of the construction, operation and decommissioning of the facility,	B1 B2 B3 B4 B5 B6 B7 C1 C2 C3 C4 C5 C6

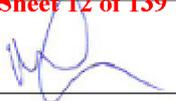
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Condition		Specific Environmental Management Measure (EMM) in this EMP
7	c) be in accordance with all relevant Environmental Protection Authority (EPA) requirements and guidelines,	EMM-5 EMM-7 EMM-9 EMM-10 EMM-11 EMM-12 EMM-13 EMM-14 EMM-15 EMM-16 EMM-17
7	d) Include the locations (detailing setbacks from native vegetation and waterways) of any staging areas, including, but not limited to, facilities such as site huts, sanitary facilities and laydown areas for plant and material. All staging areas must be restricted to existing cleared areas close to existing roads and tracks, and must not adversely impact upon native vegetation. Such sites must not be located on native vegetation and waterways,	EMM-20 EMM-21 EMM-22 EMM-23 EMM-24
7	e) include pollution management measures for stored and stockpiled materials including hazardous materials, waste and any other potential contaminants,	EMM-27 EMM-28 EMM-32 EMM-33 EMM-34 EMM-35 EMM-36 EMM-37 EMM-46 EMM-51
7	f) include measures to control sediment laden runoff, including but not limited to the installation of geo-textile silt fences on all drainage lines from the site which are likely to receive run-off from disturbed areas, revegetating exposed areas no later than 1 month after project completion,	EMM-20 EMM-21 EMM-22 EMM-23 EMM-24 EMM-26

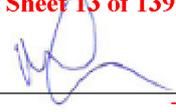
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Condition		Specific Environmental Management Measure (EMM) in this EMP
		EMM-27 EMM-28 EMM-29 EMM-30
7	g) Include measures to minimise the establishment and spread of weeds and pathogens during and following construction,	EMM-95 EMM-96 EMM-97 EMM-98 EMM-99 EMM-100 EMM-101 EMM-103 EMM-104 EMM-105 EMM-106
7	h) Include identification of native vegetation to be retained and describe measures to be used to protect the vegetation during construction. These measures must include the erection of a protective fence around all retained native vegetation, to the satisfaction of the responsible authority, including the Tree Protection Zones of all retained native trees. All Tree Protection Zones must comply with AS 4970-2009 Protection of Trees on Development Sites, to the satisfaction of the responsible authority,	EMM-57 EMM-59
7	i) include a clear purpose, roles and responsibilities, communication methods, implementation timetable, incident response protocols and auditor/monitoring schedule for the EMP and each sub plan,	Section 6.2 Section 6.3

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Condition		Specific Environmental Management Measure (EMM) in this EMP
7	j) include a Fauna Management Plan which outlines:	B4
7	<ul style="list-style-type: none"> Management and mitigation measures to address impacts to fauna utilising remnant native vegetation 	EMM-60
7	<ul style="list-style-type: none"> Procedures for covering trenches and holes at night, and filling trenches as soon as practicable after excavation to protect native fauna; 	EMM-74 EMM-75 EMM-76
7	<ul style="list-style-type: none"> Management and mitigation measures to address other impacts to native fauna, including impacts to the Growling Grass Frog; 	EMM-61 EMM-69 EMM-70 EMM-71
7	<ul style="list-style-type: none"> Installation of silt fencing upstream of the potential Growling Grass Frog habitat in order to prevent frogs entering the construction zone, as identified on Figure 21 in the <i>Biodiversity Assessment: Mortlake South Wind Farm Underground Transmission Line</i> (Ecology and Heritage Partners, July 2019); 	EMM-59 EMM-69 EMM-70 EMM-71

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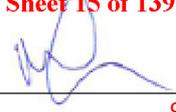
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Condition		Specific Environmental Management Measure (EMM) in this EMP
7	<ul style="list-style-type: none">Induction procedures for construction staff on the identification of Growling Grass Frog and procedures should the species be identified during construction;	EMM-61
7	<ul style="list-style-type: none">Salvage and relocation protocol for the Growling Grass Frog.	EMM-71

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3. Project Description

3.1. Locality

The underground cable alignment will traverse the rural area between Mortlake and Terang townships as illustrated in Figure 3.1-1: Locality Plan. The area is agricultural in character, and predominantly used for cattle grazing activities. Due to the historic and ongoing agricultural use of the land, the majority of the vegetation found within the study area comprises exotic species. Patches of native grassland have been found within areas not used for agricultural activities, including road verges and the Mortlake-Terang Rail Corridor.

The predominant natural feature in the area is Lake Keilambete, a maar lake (a lake formed from a volcanic crater) with a diameter of 1.8km. Lake Keilambete which is recognised as a significant regional landscape feature and significant in terms of aboriginal cultural heritage.

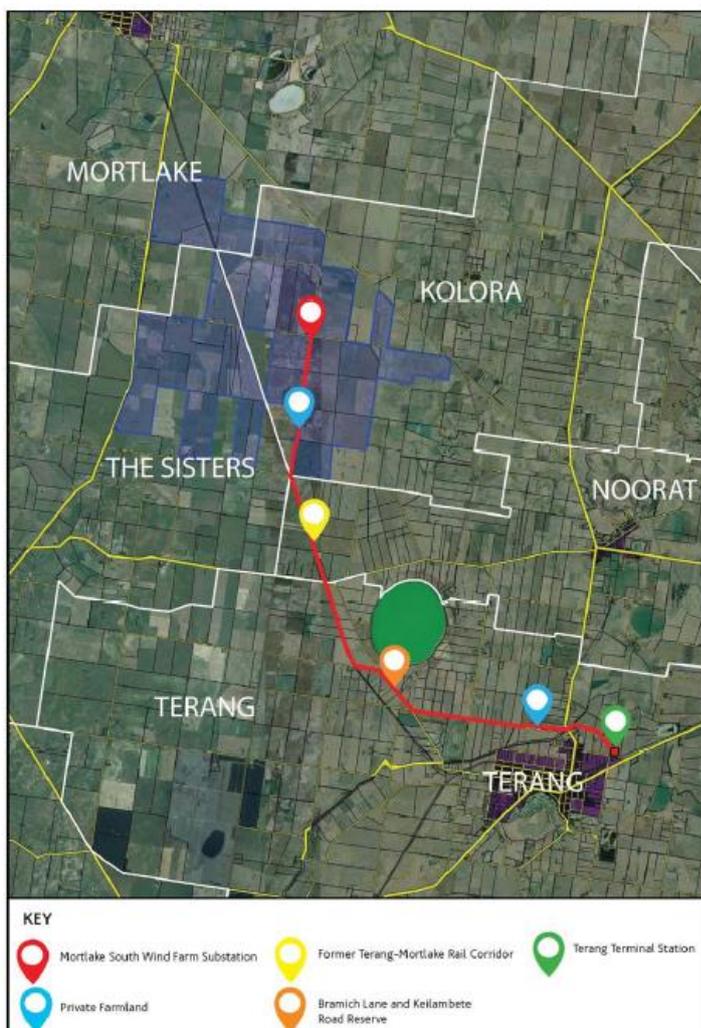


Figure 3.1-1: Locality Plan

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3.2. Alignment Route

The transmission line will follow the following alignment:

- The alignment will commence at Terang Terminal Station and head north-west, skirting around the northern periphery of the Terang Township (**see Photos 3.2-1, 3.2-3 and 3.2-3**).
- The alignment will cross Terang-Mortlake Road and then head, through farmland, into Riley Road (**see Photo 3.2-4 and 3.2-5**). The alignment will cover the northern verge of Riley Road and the road pavement/carriageway. The cable itself is proposed to be located under road pavement to avoid impact on existing services either side of the road reserve.
- The alignment will head north-west along Keilambete Road, on the southern road verge and then head west along Bramich Lane, within the southern road verge (**see Photos 3.2-6 and 3.2-7**).
- The alignment will then head north-west within the former Terang-Mortlake rail reservation, with the construction corridor limited to the eastern side of the rail reservation (**Photo 3.2-8**).
- At Cliffords Lane, the alignment will head north within private land immediately east of Tapps Lane. The alignment will then cross Chamallak Lane, head west across Tapps Lane and connect into the Mortlake South Wind Farm substation. As far as is possible, the removal of mature non-native vegetation within wind rows will be minimised. (**Photos 3.2-9 and 3.2-10**).

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Photo 3.2-1: Terang Terminal Station



Photo 3.2-2: Farmland west of the Terang Terminal Station (looking east)



Photo 3.2-3: Farmland east of Terang-Mortlake Road(looking east)



Photo 3.2-4: Farmland north of Riley Road (looking north)



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Photo 3.2-5: Riley Road Reservation looking west



Photo 3.2-6: Keilambete Road Reserve (looking south-west)



Photo 3.2-7: Keilambete Road Reserve (looking west)



Photo 3.2-8: Former Terang-Mortlake Rail Corridor (looking north-east)



Photo 3.2-9: Non-native vegetation north of Londrigans Lane (looking north)

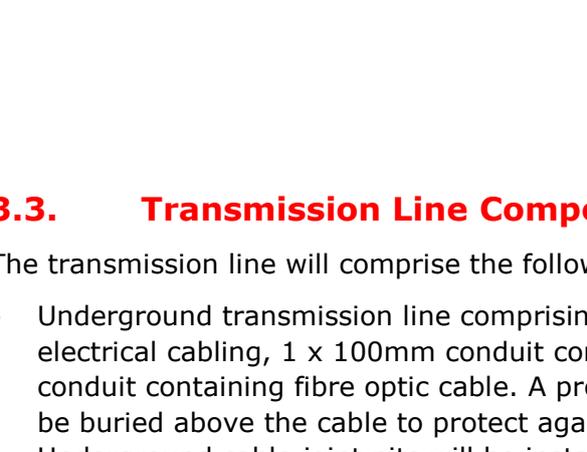
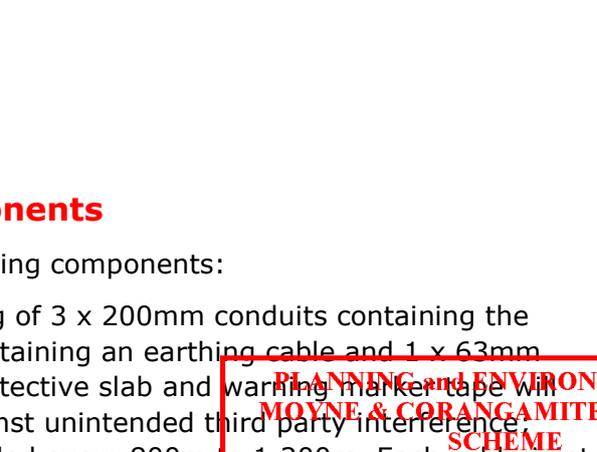


Photo 3.2-10: Farmland along the eastern side of Tapps Lane (looking south)



3.3. Transmission Line Components

The transmission line will comprise the following components:

- Underground transmission line comprising of 3 x 200mm conduits containing the electrical cabling, 1 x 100mm conduit containing an earthing cable and 1 x 63mm conduit containing fibre optic cable. A protective slab and warning marker tape will be buried above the cable to protect against unintended third party interference.
- Underground cable joint pits will be installed every 800m to 1,200m. Each cable joint pit would comprise a concrete pit with a width of 2.5m, a length of 10m and a depth of 2m. The pit is filled with thermal sand and covered with a trafficable lid.

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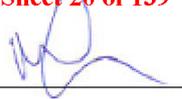
- Cable support structures will be constructed at both the MSWF substation and the Terang Terminal Station. The cable support structure at either substation end will be the only above ground infrastructure components.
- All construction and ground disturbance will occur within the defined construction corridor as defined on the endorsed plans.

In addition, during the construction phase of the project, there will be the following temporary components:

- Temporary staging areas for construction staff and laydown will be established along the alignment within the nominated construction corridor.
- 13 laydown areas have been nominated along the alignment which are illustrated on the enclosed development plans.
- The nominated laydown areas meet the below criteria: meet the following location criteria (as detailed in the EMM's):
 - Not within 30m of any significant vegetation to be retained or within the TPZ of trees to be retained.
 - 30m away from any water sources, including dams and the potential Growling Grass Frog Habitat along Riley Road.
 - 30 metres away from any known cultural heritage sites as described in the approved CHMP.
 - Staging locations are described in the enclosed development plans.

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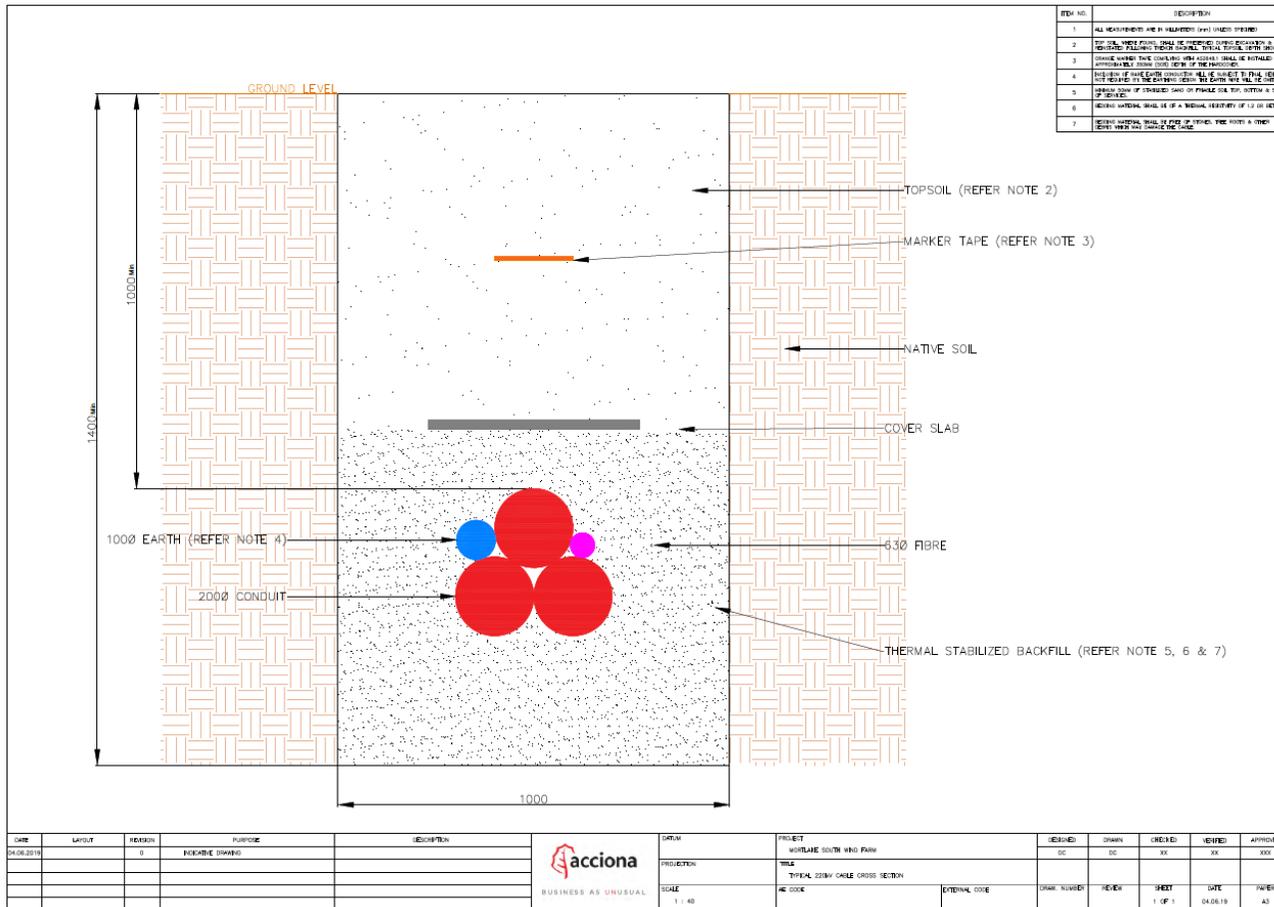


Figure 3.3-1: Typical cross section of the transmission cable

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Vehicular Access

Construction will utilise existing roads and tracks where available. All vehicle traffic will remain within the construction corridor as defined on the enclosed development plans.

Underground Electrical Cabling

The majority of the conduit will be installed via open trench. The land to be trenched will be cleared of vegetation and top soil stockpiled for rehabilitation activities. Other methodologies such as under boring will be required at specific areas such as road and waterway crossing to reduce disturbance.

In accordance with the approved CHMP (Condition 4), to avoid the nontronite sulphuric yellow clay layer when undertaking the under bore under Terang-Mortlake Road, the following construction techniques must be observed:

- The drill head must be tracked full time from the surface by an operator using a utility locating system. Depth must be restricted to 3.2 metres.

Temporary Construction Infrastructure

Temporary infrastructure associated with the construction phase of the transmission line will include a temporary construction staging areas located along the route.

The staging areas will include storage facilities, car parking, portable pump-out toilet facilities and amenities to be on the site for the duration of construction work.

The staging areas will be located within the construction footprint and be selected based on the following criteria:

- 30m from any significant existing vegetation and not within the TPZ of any trees to be retained.
- 30m away from any dams or water courses including the potential Growling Grass Frog habitat along Riley Road.
- 30m from any known cultural heritage sites.

Construction staff will be accommodated away from the construction site and camping on site will not be permitted.

Staging areas will be located at the alignments intersection with existing roads to allow the delivery of construction materials and the removal of spoil.

Restoration

Rehabilitation will occur using the excavated topsoil and revegetated to using non-invasive pasture species to ensure rapid coverage of exposed areas. Native species will be prioritised. All disturbance will be minimised to the defined construction footprint and not impact any native vegetated to be retained along the alignment as described in the enclosed development plans.

Native vegetation requiring removal primarily occurs within the VicTrack reserve. Offset's for the removal of this vegetation has been secured in accordance with the *Guidelines for the removal, destruction or lopping of native vegetation*.

Whilst permanent offsets have been secured, natural revegetation is expected to occur.

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3.4. Construction Activities

Construction of the transmission line will include the following activities, which will at times overlap:

- Site establishment.
- Access track construction.
- Staging area construction.
- Underground power and communication cable installation.
- Commissioning of the transmission line.
- Restoration of the site.

The works that require ground disturbance will be undertaken outside of significantly wet periods where practicable.

Underground cable and earthing installation

The underground electrical cables will be installed in trenches approximately 1.5m deep to ensure a minimum cover of 1.0m. The width of the trenches will be up to 2m.

The surface area of disturbance required for installation of the cabling is approximately 7-8m in width. This area will be restored and revegetated with pasture cover upon the completion of installation. All surface disturbance and activities will remain within the construction footprint.

Commissioning Activities

Following connection to the grid, the transmission line will be tested. During commissioning various test will be performed to ensure that the transmission line is operating to specification and that all safety devices function correctly.

Site Restoration

Following construction and commissioning, the site will be restored by removal of construction facilities and any wastes or surplus materials, removal of excess soil, removal and restoration of any temporary construction areas and ongoing maintenance of any land stabilisation until adequate ground cover is established.

The final condition of the site will be reviewed in consultation with the landowners to ensure that these restoration works have been undertaken to the agreed standard.

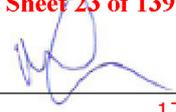
3.5. Operation, Maintenance and Decommissioning Activities

Operational, maintenance and decommissioning activities associated with the transmission line include:

- Maintenance of electrical infrastructure;
- Maintenance of civil infrastructure; and
- Decommissioning.

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Electrical Infrastructure

One of the advantages of an underground power line, compared with an overhead power line, is that it is located in a secure environment that results in less physical wear and tear and therefore less ongoing maintenance.

Maintenance requirements are typically limited to annual inspections of the joint pits, which are accessible with minimal disturbance. Partial excavation will be required to access removal lids.

The cable and joints will be designed with a service life of over 30 years without the need for visual inspection or maintenance. Monitoring of the cable and any faults can be done remotely via fibre optic cabling laid with the cable. The most likely location for a fault in the cable would be at the cable joint location, where pits have been located to enable an easier repair location that does not require significant disturbance.

Decommissioning

At the end of its life (30 years), the transmission line will be either replaced with comparable new equipment or the wind farm and associated infrastructure (including the transmission line) will be decommissioned. Decommissioning will involve removing the redundant underground transmission line and associated infrastructure.

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4. Environmental Considerations

4.1. Environmental Studies

Prior to the preparation of this EMP, numerous environmental studies have been undertaken in order to understand the environmental impacts of the project. The knowledge regarding existing conditions of the site and recommendations for the project in these studies have informed the basis of this EMP.

Previous environmental studies undertaken include:

Flora and Fauna

Ecology and Heritage Partners Pty Ltd (2019) *Biodiversity Assessment: Mortlake South Wind Farm Underground Transmission Line*

Heritage and Cultural Heritage

GHD Pty Ltd (2019) *Mortlake South Wind Farm Transmission Line, Mortlake, Victoria: Cultural Heritage Management Plan 16306*

Planning

ACCIONA (2019) *Mortlake South Wind Farm Transmission Line, Mortlake, Victoria: Planning Assessment Report.*

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4.2. Environmental Risk Assessment

This section identifies the potential environmental impacts associated with the construction and operational activities and assesses the risk these impacts present to existing environmental values. The results of the risk assessment are presented in Table 4.2-2.

The risk assessment considers raw or unmitigated risk, to clearly identify those activities, which unmanaged, are likely to cause major or long-term environmental damage.

The definitions used in the risk assessment to determine likelihood and consequence, and corresponding residual risk rating, are shown in Table 4.2-1.

Implementation of the management actions presented in Parts B and C of this plan will reduce the raw risk and result in the residual risk being within acceptable limits (as determined by legislation, guidelines or the relevant regulatory authority).

It is noted that some risks are controlled via documents that are endorsed under Planning Permits PA1900603 and PA1900604 which include the following documents:

- Biodiversity Assessment (EHP Pty Ltd 2019); and
- Cultural Heritage Management Plan 16306 (GHD Pty Ltd, 2019).

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Table 4.2-1 - Risk Assessment Matrix

		Consequence				
		Insignificant	Minor	Moderate	Major	Catastrophic
		Minor impact with negligible effects.	Minor local impacts with short term effects (<3 months) and low potential for widespread impact.	Moderate local impacts with short term effects (<3 months) and/or low potential for widespread impacts.	Major local impacts with medium term effects (3-12 months) and/or moderate potential for widespread impacts.	Severe local impacts with medium to long term effects (>12 months) and/or potential for widespread impacts. Impacts may be irreversible.
Likelihood	Almost Certain Is expected to happen in most circumstances	MEDIUM 7	HIGH 13	HIGH 17	EXTREME 22	EXTREME 25
	Likely Will probably occur in many circumstances	LOW 4	MEDIUM 11	HIGH 15	HIGH 19	EXTREME 24
	Possible Could occur at some time	LOW 3	MEDIUM 8	HIGH 14	HIGH 18	EXTREME 23
	Unlikely Not expected to occur	LOW 2	LOW 6	MEDIUM 10	HIGH 16	EXTREME 21
	Rare May occur in exceptional circumstances	LOW 1	LOW 5	MEDIUM 9	MEDIUM 12	HIGH 20

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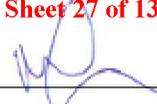
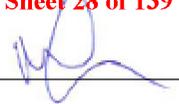

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Table 4.2-2 - Environmental Risk Assessment

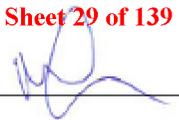
Activity	Potential Environmental Impact	Risk Criteria			Control Procedure Reference
		Likelihood	Consequences	Risk Rating	
General Construction Activities					
Operation of construction machinery	Disturbance or annoyance to community from increased noise	Likely	Minor	Med	B1
	Reduction in air quality through generation of dust/air emissions (e.g. diesel fumes)	Likely	Minor	Med	B2
	Spreading of noxious weeds and pathogens	Possible	Minor	Med	B7
	Fire (connection of hot machinery with dry grass)	Rare	Major	Med	Job Specific JSA
	Damage to archaeological sites/heritage areas	Unlikely	Minor	Low	B8 (and CHMP)
	Sedimentation of nearby drainage lines and watercourses.	Unlikely	Minor	Low	B2
Refuelling of plant and equipment	Contamination of soil, surface water and groundwater from spills	Unlikely	Minor	Low	B4
	Fire on site resulting from ignition sources	Rare	Major	Med	Job Specific JSA
Transportation of construction materials and personnel to site	Disruption/delays to local traffic through increased traffic	Likely	Minor	Med	B1 (and Traffic Management Plan)

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Activity	Potential Environmental Impact	Risk Criteria			Control Procedure Reference
		Likelihood	Consequences	Risk Rating	
	Dirt on public roads as a result of construction traffic	Likely	Minor	Med	B2 (and Traffic Management Plan)
Underground cabling installation					
Installation of cabling (open cut trenches, and laying of cables)	Significant damage or loss of flora and fauna	Unlikely	Minor	Low	B4
	Reduction in air quality through generation of dust	Unlikely	Minor	Low	B2
	Erosion of exposed surfaces and sediment-laden runoff affecting surrounding land, drainage lines and watercourses	Possible	Minor	Low	B2
	Damage to archaeological sites/heritage areas	Unlikely	Minor	Low	B8 (and CHMP)
Operations					
Remediation of access tracks, hard stands and underground cabling	Erosion, loss of topsoil and sedimentation of waterways	Unlikely	Moderate	Med	C1

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5. Regulatory Approvals

5.1. Overview

The following key environmental approvals have been obtained for the project:

- A Cultural Heritage Management Plan was approved by Aboriginal Affairs Victoria on 29 August 2019 under the *Aboriginal Heritage Act 2006* (Vic); and
- Planning Permit PA1900603 & PA1900604 were granted under the *Planning and Environment Act 1987* (Vic).

5.2. Planning Permit Conditions

Planning Permit PA1900603 and Planning Permit 1900604 requires the preparation of an Environment Management Plan to the satisfaction of the Minister for Planning.

An EMP was recently prepared by ACCIONA for the construction, operation and maintenance of the MSWF in consultation with the relevant agencies including DELWP, DoJPR, EPA, CCMA/GHCMA, CFA and MSC (ACCIONA 2019, *MSWF Environmental Management Plan*). The EMP was endorsed and forms part of the MSWF permit.

The EMP for the transmission line has been prepared using the structure, risk identification and mitigation established in the MSWF EMP. As such this EMP will effectively prevent, manage and mitigate the environmental risks of the construction and operation of the transmission line.

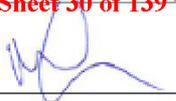
5.3. Legislative Requirements

Table 5.3-1 provides an overview of the relevant legislation and statutory instruments to be complied with or considered during the duration of the project.

Table 5.3-1 - Relevant Legislation, Regulations, Guidelines and Strategies

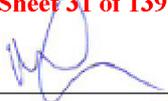
Legislation	Discussion
Commonwealth	
Environmental Protection and Biodiversity Conservation Act 1999	<p>There is one dam located adjacent to the study area immediately south of Riley Road, Terang that is considered to provide marginal habitat for one fauna species (Growling Grass Frog) listed under the EPBC Act.</p> <p>However, the dam is located six metres from the edge of the construction corridor, with direct or indirect impacts to habitat considered unlikely to occur. As such, the action will not result in a significant impact to Growling Grass Frog, and a referral to the Commonwealth under the EPBC Act is not required. No other matters of NES were recorded, or are considered likely to occur.</p>
Native Title Act 1999	<p>The Native Title Act 1999 requires 'future acts' to be undertaken in accordance with the relevant process if native title has not been extinguished.</p>

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Legislation	Discussion
	<p>The alignment is within a mixture of freehold land and road reserve.</p> <p>Native Title has been extinguished within freehold land. Officers from DELWP Barwon South West have advised that Native Title has been extinguished within the road reserves traversed by the alignment. As such, Native Title has been extinguished along the entire alignment.</p>
Victorian	
Environmental Effects Act 1978	The project does not require assessment under the Environmental Effects Act 1978 due to the limited nature of the ground disturbance required and the fact that no direct impacts on any endangered species or ecological communities.
Planning and Environment Act 1987	<p>A planning permit is required under the <i>Planning and Environment Act 1987</i> for certain types of uses and development, including the use and development of a utility installation and the removal of native vegetation and the creation.</p> <p>Planning permits (PA1900603 & PA19000604) have been issued by the Minister for Planning for the project.</p>
Flora and Fauna Guarantee Act 1988	A permit is required under the <i>Flora and Fauna Guarantee Act 1999</i> to take (i.e. remove) listed vegetation. Environmental studies undertaken for the project have not identified any listed flora that will be required to be removed.
Wildlife Act 1975	Any person involved in handling, relocating or caring for wildlife will be required to hold an appropriate license or authorisation under the <i>Wildlife Act 1975</i> . This includes undertaking the activities contained within the Bird and Avifauna Management Plan endorsed under the Planning Permit.
Aboriginal Heritage Act 2006	<p>A mandatory CHMP is required for when a defined high impact activity is located in an area of cultural sensitivity under the <i>Aboriginal Heritage Act 2006</i>.</p> <p>A CHMP has been approved by Aboriginal Victoria for this project and is appended to this EMP.</p>
Heritage Act 2017	<p>A Heritage Permit is required to undertake any works at a place listed on the Victorian Heritage Register. A Heritage Consent is required to damage or disturb a heritage place listed on the Victorian Heritage Register.</p> <p>There are no heritage places listed on the Victorian Heritage Register or Heritage Inventory within the project area. As such, no <i>Heritage Act 2017</i> approvals are required.</p>
Water Act 1989	<p>A license is required to take or use water from a waterway, groundwater, a spring or soak or water from a dam for use other than domestic and stock use or otherwise made exempt under the <i>Water Act 1989</i>.</p> <p>A license is also required under the <i>Water Act 1989</i> to construct, alter, operate, remove or decommission any works on a waterway.</p>

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Legislation	Discussion
Roads Management Act 2004	Any occupation and/or construction on local municipal roads will require the consent of MSP and CSP.

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6. Environmental Management Framework

6.1. ACCIONA Integrated Management System Policy

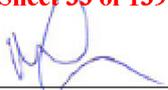
ACCIONA’s primary environmental policy is the Integrated Management System policy, shown in Figure 6.1-1.

	<p>POLICY Integrated Management System Policy</p>	POLAU07101 r01 en P
<hr/>		
Policy Statement		
<p>Acciona Energy (Acciona) is a leader in the renewable energy sector. Our Integrated Management System (IMS) consolidates our commitment to sustainable development and the provision of quality controlled products and services that meet and exceed customer expectations, protect the environment and the work, health and safety (WHS) of our workers and interested parties.</p> <p>Our objectives:</p> <ul style="list-style-type: none"> • Comply with all statutory requirements, applicable industry standards, and Australian and International Standards and strive for best practice, • Document processes and provide training, instruction and awareness to workers and interested parties, • Provide safe plant and equipment through a Hazard Management approach to WHS and environmental issues, • Establish measurable objectives and targets aimed at the identification, assessment and elimination of WHS hazards/risks and environmental harm, • Conduct meaningful consultation on WHS issues; provide effective rehabilitation, • Sustainable development of products and services, • Establish continuous improvement and effectiveness measures aimed at enhancing customer satisfaction, improving WHS and environmental practices, and • Provide adequate resources to meet the commitment of this policy. <p><u>Board/Directors/Senior Leaders</u> of Acciona are responsible and accountable for providing the necessary resources to implement, promote and continuously improve the IMS.</p> <p><u>Managers</u> are responsible and accountable for implementing this policy within their business area(s) and have a duty of care to:</p> <ul style="list-style-type: none"> • Provide training and instruction to workers to ensure compliance with legislation, regulations and other obligations, including understanding the IMS, • Ensure adequate supervision is maintained at all times and systems of work are safe and environmentally compliant, and • Be actively involved in the development, promotion and implementation of policies and procedures. <p><u>Workers</u> are responsible for:</p> <ul style="list-style-type: none"> • Compliance with all policies, procedures and instructions, • Immediately reporting all hazards and incidents to their Supervisor or Manager, • Taking reasonable care for the environment, their own WHS and that of others, and • Actively contributing to meaningful and effective consultation. <p>This policy is applicable to Acciona Energy in all of its functions and operations. It will be reviewed at regular scheduled intervals, and whenever there is any operational, circumstantial or legislative change affecting the IMS.</p>		
<p>Brett Wickham Managing Director</p> 		
Approved by: <i>B. Wickham</i> Date: <i>21 MAY 2018</i>	Uncontrolled when printed	T05 PAUD1 GAF020 r01

Figure 6.1-1: ACCIONA Energy Integrated Management System Policy

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6.2. Implementation

Application of Management Plans

Environmental mitigation measures are incorporated into a number of management plans that have been separated into Part B (Construction) and Part C (Operation).

Part B of the EMP will apply from the commencement of construction until the commission date. Part C of the EMP will only apply after the commission date.

Roles and Responsibility

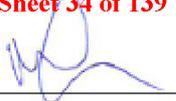
Table 6.2-1 and Table 6.2-2 describe the roles and responsibilities of key ACCIONA personnel during the construction and operation phase of this project.

Table 6.2-1 – ACCIONA Project Personnel Responsibilities (Construction)

Position	Responsibilities
Project Manager	<p>Handover of design and consent condition requirements to the Construction Manager, ongoing oversight and accountability across project delivery.</p> <p>Responsible for managing the construction work timetable in consultation with project personnel listed below.</p>
Construction Manager	<p>The Construction Manager will have responsibility for the overall management of the construction of the transmission line including:</p> <p>Final review and overall approval of CEMPs.</p> <p>Ensuring any design changes during construction go through ACCIONA Energy's design approval process which includes obtaining the necessary planning approvals for the proposed amendments.</p> <p>Managing the site and the overall environmental performance of the project during its construction including the implementation of the CEMPs.</p> <p>Managing community complaints with respect to environmental matters (such as air quality, noise etc.) in coordination with the Community Relations Coordinator/Manager, Environment and Planning.</p> <p>Responding and reporting on incidents.</p>
HSE Manager	<p>The HSE Manager will be located on site for the duration of the construction period and have responsibility for:</p> <p>Reviewing Contractor CEMPs in conjunction with the Manager Environment.</p> <p>Supporting the HSE Supervisor with daily inspections and management.</p> <p>Organising and performing internal audits of the construction site to monitor the contractor's compliance with this EMP, CEMPs and conditions of consent.</p> <p>Ensuring nonconforming environmental controls and practices are reported to the Construction Manager and Project Manager. DELWP are to be notified of any non-conformances with the EMP in accordance with the communication protocols set out in Section 6.3.</p> <p>Following up on audit findings and recommendations to ensure any remedial actions required are closed out.</p> <p>Sharing learning experiences between projects.</p>

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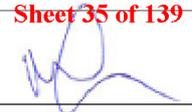
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Position	Responsibilities
HSE Supervisor	<p>The HSE Supervisor will be located on site for the duration of the construction period and will have responsibility for:</p> <ul style="list-style-type: none"> Delivering site inductions and ensuring all persons on site are familiar with the EMP, and their environmental obligations. Undertaking weekly and monthly environmental inspections and recording performance on the inspection checklists. Identifying and reporting environmental incidents and notifying the Manager, HSEQ of any suspected incidents.
Manager, Environment and Planning	<p>The Manager, Environment and Planning will be predominately located in the Melbourne Office and will have responsibility for:</p> <ul style="list-style-type: none"> Reviewing Contractor CEMPs, to check that they are prepared to the satisfaction of ACCIONA Energy and in accordance with this EMP. Engaging environment specialists as required. Providing of environmental technical advice to the Manager, HSEQ. Communicating with environmental stakeholders. Participating in internal audits. Undertaking regular environmental inspections of the construction site. Ensuring that environmental incident remedial solutions are effectively implemented. Reviewing and authorising changes to this EMP in collaboration with the DELWP. Communicating of environmental incidents/breaches of permit conditions to the relevant authorities. Keeping abreast of new environmental legislation.
Community Relations Coordinator	<p>The Community Relations Coordinator will be primarily located in the Melbourne office and has responsibility for:</p> <ul style="list-style-type: none"> Managing of community complaints with respect to environmental matters (such as air quality, noise etc.) in coordination with the Site Supervisor and Manager, Environment and Manager, Construction. Preparation of community information materials. Communicating with the local community during all phases of the project.

Table 6.2-2 – ACCIONA Project Personnel Responsibilities (Operations)

Position	Responsibilities
Project Manager	Handover of facility and consent condition requirements to Facilities Manager.
Facilities Manager	<p>The Facilities Manager will be predominantly located on site and have responsibility for managing the Mortlake South Wind Farm and Transmission Line during operations.</p> <p>Oversee the ongoing implementation of the OEMP.</p>

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Position	Responsibilities
HSE Supervisor	<p>The HSE Supervisor will be located on site for the duration of the operations and will have responsibility for:</p> <ul style="list-style-type: none"> • Delivering site inductions and ensuring all staff on site are familiar with the EMP, and their environmental obligations. • Undertaking environmental inspections and recording performance on the inspection checklists. • Identifying and reporting environmental incidents and notifying the Manager Health, Safety, Environment and Quality of any suspected incident.
Manager, HSEQ	<p>The Manager, Health, Safety, Environment & Quality will be predominately located in the Melbourne Office and have responsibility for:</p> <p>Supporting the onsite HSE Supervisor.</p> <p>Organising and performing internal audits of the site to monitor the contractor's compliance with this EMP.</p> <p>Ensuring nonconforming environmental controls and practices are reported.</p> <p>Following up on audit findings and recommendations to ensure any remedial actions required are closed out.</p>
Manager, Environment and Planning	<p>The Manager, Environment and Planning will be predominately located in the Melbourne Office and will have responsibility for:</p> <p>Overseeing the implementation of the avifauna management and monitoring program.</p> <p>Providing environmental technical advice to the Manager, HSEQ and Manager, Construction.</p> <p>Communicating with DELWP and Local Councils.</p> <p>Participating in internal audits.</p> <p>Undertaking periodic environmental inspections of the operating site.</p> <p>Ensuring that environmental incident remedial solutions are effectively implemented.</p> <p>Reviewing and authorising changes to this EMP in collaboration with DELWP.</p> <p>Communication of environmental incidents/breaches of permit conditions to the relevant authorities.</p>
Community Relations Coordinator	<p>The Community Relations Coordinator will be primarily located in the Melbourne office and has responsibility for:</p> <p>Managing of community complaints with respect to environmental matters in coordination with the Manager, Environment and Planning and Facilities Manager.</p> <p>Preparation of community information materials.</p> <p>Communicating with the local community during all phases of the project.</p>

Contractor Compliance Monitoring

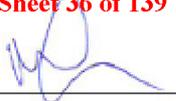
ACCIONA is ultimately responsible for compliance with the EMP. To deliver the project ACCIONA will engage a number of Contractors to undertake different aspects of the project.

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farm construction. ACCIONA will ensure all contractors comply with this EMP through effective oversight, including dedicated Health, Safety and Environment staff monitoring the activities of all contractors working on the transmission line.

The requirement to comply with this EMP will be included in all relevant contracts.

To assist ACCIONA in maintaining compliance with this EMP, contractors will be required to demonstrate to the satisfaction of ACCIONA:

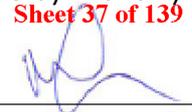
- Ensuring effective environmental management of all activities.
- Complying with relevant environmental legislation and consent conditions as detailed in Section 5.3.
- Preparing environmental documentation such as CEMP, process procedures, work method statements etc. to the satisfaction of ACCIONA and in accordance with this EMP before works commence.
- Providing sufficient resources to ensure the CEMP practices are implemented by contractors' employees and sub-contractors.
- Ensuring all project personnel are suitably trained, and possess the necessary skills, to undertake their designated environment responsibilities.
- Ensuring that environmental protection requirements are communicated to all personnel and sub-contractors.
- Continual monitoring of environmental performance to ensure compatibility and continued effectiveness with the management plan objectives.
- Participating in the audit process.
- Preparing and submitting Project Monthly Environment Reports to the Site Supervisor. The monthly report will include:
 - Summary of general environmental site issues (positive and otherwise) and the proposed action to resolve them.
 - Environmental monitoring results.
 - Environmental incident report summaries.
 - An overview of any communications and/or meetings with statutory authorities.
- Registering and investigating environmental incident and complaints and provide this information to ACCIONA.
- Ensuring environmental incidents are addressed within the required time frame and that disposition/remedial solutions are effectively implemented.
- Attending meetings called to discuss environment issues.

6.3. Summary of Communication Methods

Staff & Contractors

The practical obligations and requirements of this plan will be communicated to staff and contractors via the site induction. The requirements of the site induction are detailed below in Section 6.4 and will be conducted prior to gaining access to perform work on the alignment. Ongoing communications to staff and contractors will be done by monthly

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tool box talks for all workers specifically detailing/revisiting the contents of this document.

Environmental Incidents

All environmental incidents and/or non-conformances with this document will be reported via the online Issues Management Tool used by Acciona (currently Quest). This tool notifies the responsible manager of the incident and the required corrective actions to prevent any environmental harm or re-occurrences.

External Reporting

The results of the environmental audits required by this plan, including any non-conformances will be made available to the Responsible Authority (DELWP) a minimum of every 6 months during construction.

6.4. Inductions and Training

All persons accessing the site will receive training in the form of a site induction (or be accompanied on site) and tool box talks for specific environmental, fire, and emergency issues. The Construction Manager shall ensure that records of all training and personnel who have undertaken training and site inductions are maintained and can be provided upon request.

Site Induction

All contractors, employees and visitors must undertake an environmental site induction prior to gaining access to work on the transmission line site.

This induction will incorporate the basic environmental requirements for the transmission line and include information on:

- The objectives of the EMP.
- The management plans, and associated onsite control measures outlined within the EMP.
- Cultural Heritage Induction (for relevant personnel) in accordance with the requirements of the CHMP (Condition 6), including:
 - A brief history of Aboriginal occupation within the Activity Area and wider region,
 - A summary of previous archaeological investigations undertaken within the Activity Area,
 - The specific details of any previously recorded Aboriginal Cultural Heritage material within
 - the Activity Area identified during the CHMP,
 - A summary of the conditions and contingencies contained within the CHMP, and



Part A: Environmental Management Framework

- The obligations of the Sponsor and all site personnel under the *Aboriginal Heritage Act 2006*.
- Restricted areas and 'No-go' areas.
- Procedures relating the identification and management measures relating to the Growling Grass Frog (GGF), including:
 - The location of the potential GGF habitat along Riley Road,
 - The key visual and behavioural characteristics of the GGF to allow for identification,
- The protocols and procedures to be activated once an identification has been made, including the relocation protocol. The relocation protocol is detailed in EMM-71. Defined locations for site access, offices and major laydown areas.
- Emergency procedures.
- What to do in the event of discovery of Aboriginal cultural heritage material.
- Communication methods internally, with community members and external stakeholders.
- Basic steps that everybody is required to take to ensure that the EMP is complied with.

The induction will be mandatory for all first time visitors to the site.

Training

Training requirements during the construction and operational phases are determined by a Training Needs Matrix which identifies which training requirements are mandatory for all personnel entering the site or role specific.

The training program will be implemented prior to construction commencing and will continue to be implemented during the construction and operational phase for relevant staff and contractors.

Training which will be implemented during the construction and operational phases include:

- (Mandatory) Site Induction which includes obligations under the EMP for all staff and contractors entering the site. The EMP induction training covers duty of care to comply with the EMP including the management of noise, waste, sediment, erosion and water quality, hydrocarbon and hazardous substances, flora and fauna, wildfire prevention and emergency management, pest animals, pest plants and cultural heritage.
- (Role specific) Emergency and Spill Response training for site wardens which are delegates of the Construction Manager, Project Manager or Facilities Manager.
- (Role specific) Environmental Roles and Responsibility training for managers.
- (Role specific) Risk Management training for staff and contractors involved in writing, reviewing or authorising SWMS/JSEA or risk assessment which will generally include the Environment & Planning Manager, Construction Manager, HSEQ Manager, HSEQ Supervisor and Facilities Manager.

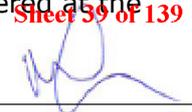
Tool Box Talks

In addition to the site induction, toolbox talks will be undertaken on a monthly basis. A 'Tool Box Talk' is a short training course of approximately 15 minutes delivered at the

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commencement of a shift that is usually directly applicable to the work about to be undertaken. These toolbox talks will include discussion of environmental issues and be regularly attended by the HSE Supervisor.

Toolbox talks will be documented and a record of them kept onsite, to be provided upon request.

6.5. Checking and Corrective Action

The following section describes how and when inspections and audits will be conducted during the construction and operational period.

Inspections

During construction, the HSE Supervisor will conduct weekly inspections of work sites to ensure this EMP is being correctly implemented. During these inspections the monitoring activities listed in Part B of this EMP will be undertaken. Weekly checklists will be completed during construction and any issues identified will be rectified and subsequently signed off by the Site Supervisor. Weekly environmental checklists will be documented and be made available on request.

During operations, an HSE Supervisor will undertake quarterly inspections of the site to monitor activities listed in Part C of this EMP.

Internal Audits

An internal audit schedule will be established for the project.

Given the construction timeframe, one audit will be scheduled during construction, and one audit will be scheduled post construction to ensure works are complying with this EMP and Contractor CEMPs. Annual operation audits will be scheduled following commissioning of the transmission line. The timing of the internal operational audits will be reviewed on a risk based approach, however operational audits will be undertaken at a minimum of one every five years for the life of the transmission line. The audit will also review site induction material, assess the knowledge of staff undertaking work and review the construction phase weekly checklists.

Environmental Incidents

An environmental incident is defined as an unexpected event that may result in harm to the environment and requires some action to minimise the impact or restore the environment.

An environmental incident can include (but is not limited to) the following:

- Spill of fuel, oil, chemical or other hazardous materials.
- Failure of temporary erosion/sediment control.
- Contamination of surface water, ground water or land.
- Breach of licence, permit condition or legislative requirements
- Non-conformance with a management measure in this EMP or contractors' CEMPs.
- Damage to vegetation marked for protection.
- Damage to cultural heritage materials or sites.



An event that has the potential to impact on the environment (such as a spill into a contained area) is still classified as an environmental incident and will be reported as an incident with no impact.

Incident Reporting and Corrective Action

ACCIONA uses an online Issues Management Tool (Currently Quest) to record and manage all environmental incidents.

Incidents or near misses observed onsite must be reported to the ACCIONA Construction Manager during construction phase and to the Facilities Manager during the operational phase.

The person recording the incident will be competent and trained by HSEQ representative to utilise the Issues Management Tool. The person recording the incident will complete their details and assign responsibility to a person, either within ACCIONA or within the construction contractor's team, for its closure through the appropriate corrective action, in addition to describing the incident, the person raising it will be required to specify the location within the wind farm site and if applicable, the part of the EMP that was contravened. The required corrective action will also need to be included and a date for which the action must be completed specified. When the corrective action is taken, this must be detailed, signed and dated. Progress in addressing incident reports will be monitored by the Site Supervisor and the Manager, HSEQ.

Corrective actions defined during the construction phase will be communicated to staff and contractors via the Construction Manager during daily pre-start briefings. Corrective actions identified during the operational phase will be communicated to staff and contractors via the Facilities Manager.

Reporting

Internal Reporting

During the construction and operational phase relevant staff including the Project Manager, Construction Manager, HSE Manager and Supervisor, Facilities Manager, Community Relations Coordinator and Environment and Planning Manager are notified of the following as soon as practicable via the Issues Management Tool of the following:

Any environmental incidents and complaints and their corrective actions; and

Non-conformances and correction actions identified during regular environmental inspections and the internal audits.

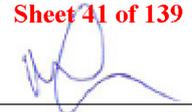
External Reporting

During the construction and operational phase, relevant documentation including Weekly Environmental Checklists, Monthly Environmental Reporting and internal audits, as well as records maintained on Issues Management Tool, Consultation Manager will be made available to external authorities upon request.

The results of any management reviews and/or audits will be made available to the authority responsible for this document (DELWP) a minimum of every 6 months during construction.

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Emergency Contact and Response

For all emergencies '000' must be called immediately. In the case of an environmental incident, such as a major spill, the Construction Manager and relevant regulatory agency will be contacted immediately.

The Construction Manager will be the nominated chief fire warden for the site and will be responsible for all communications to the emergency services. There are also several fire wardens on site. Contact details for relevant emergency services are provided below:

Table 0-1 – Emergency Contact Response

Contact	Phone No.	Address
Construction Manager	(03) 9027 1028	1515 Terang-Mortlake Road Kolora, Victoria, Australia, 3265
Project Health, Safety and Environment Manager	(03) 9027 1066	1515 Terang-Mortlake Road Kolora, Victoria, Australia, 3265
Construction Manager – Electrical BOP	(03) 9027 1110	1515 Terang-Mortlake Road Kolora, Victoria, Australia, 3265
Country Fire Authority - District 5 HQ	(03) 5551 1500	92-94 Coleraine Road & Mt Bainbridge Road Hamilton, VIC 3300
Warrnambool Fire Station	(03) 5561 5700	61 - 67 Mortlake Road Warrnambool VIC 3280
Warrnambool Base Hospital	(03) 5563 1666	25 Ryot St Warrnambool VIC 3280
Warrnambool Police Station	(03) 5560 1333	214 Koroit St Warrnambool VIC 3280
Coroners Court of Victoria	1300 309 519	65 Kavanagh St Southbank VIC 3006

6.6. Document Availability and Review Procedures

The HSE Manager is to be the chief custodian for environmental documentation associated with this EMP. The documentation is to be readily available, and to be produced upon request.

The following documentation, as a minimum is to be maintained on site:

- A copy of the Planning Permit (including endorsed drawings and plans).
- A copy of this EMP.

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- Copies of weekly environmental checklists.
- A database of all relevant training undertaken and attendees
- A database of people inducted to the site.

Every five years (or as required should significant changes to the site conditions occur) there will be a complete review of the operational EMP. This process involves examining all performance objectives and criteria to determine that they are still applicable to the site and represent current best practice in relation to environmental management.

6.7. Construction Timetable

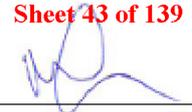
ACCIONA’s construction schedule is set out in Table 6.7-1 and the plans that must be implemented during those phases.

Table 6.7-1 - Construction Timetable

Plans in Effect	Activity	Scheduled Date
PART B: Construction Environmental Management Plan	Mobilisation, Site Staging and Early Works	February 2020
	Trenching and cable installation	March 2020
	Demobilisation	July 2020
	Rehabilitation	July 2020
PART C: Operational Environmental Management Plan	Operations	July 2020 onwards

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PART B CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLANS

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B1. Construction and Work Site Management Plan

Introduction

The Construction and Work Site Management Plan details the management activities that are required to be implemented to prevent disturbance from construction noise and waste.

Objectives

The key objectives of the Construction and Work Site Management Plan are to:

- To minimise the impact of construction of the transmission line on the environment.
- Limit construction noise to levels which do not cause disruption to nearby residents.
- To minimise wastes generated by construction activities, by adopting the waste hierarchy system as follows:
 - Avoid
 - Reduce
 - Reuse
 - Recycle
- To ensure that litter and waste is disposed of in a responsible manner and is not released to the environment.

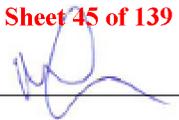
Key References

- EPA Industrial Waste Resource Guidelines¹
- EPA (1996) Publication 480: Environmental Guidelines for Major Construction Sites
- EPA (2008) Publication 1254: Noise Control Guidelines

¹ Available at: <https://www.epa.vic.gov.au/business-and-industry/guidelines/waste-guidance/industrial-waste-resource-guidelines>

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- EPA (2011) Noise from Industry in Regional Victoria
- EPA (2016) Publication 1624: Industrial Waste

Measureable Target

- No noise complaints from nearby residents during construction.
- Achieve a recycling rate of 60% for site construction waste.
- No lasting evidence of litter generated from construction activities.

General

Where practicable, major earthworks associated with construction will be undertaken during warmer months to minimise impacts on ephemeral wetlands, local fauna and sediment mobilisation. A Construction Timetable is provided in Part A of the EMP.

In the event that the works cannot occur within the warmer months, the mitigation measures in Section B2 Sediment, Erosion and Water Quality and Section B5 Flora and Fauna Management Plan will be implemented and further tailored to the wetter conditions anticipated at the site to minimise impacts on ephemeral wetlands, local fauna and sediment mobilisation.

Noise

- EPA (2008) *Publication 1254: Noise Control Guidelines* sets out the following noise control criteria for construction sites.

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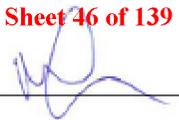
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Table B1-2: Construction Work Houses Noise Criteria

	Hours	Criteria
Normal working hours	7am to 6pm Monday to Friday 7am to 1pm Saturdays No works permitted on Sundays without prior approval No works permitted during the night or evening outside normal working hours.	No criteria

Construction activities such as establishment of staging area, cable installation, and operation of machinery and traffic movements will generally cause temporary increases in local noise levels.

Waste

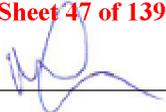
The transmission line construction is not expected to generate significant volumes of waste however there are a number of waste streams that if not managed properly could result in impacts to the environment. The principal wastes expected to be generated during construction are sewage, domestic rubbish, surplus topsoil and excavated material, packaging material and general construction debris. The handling, management and disposal of waste materials must be done so in accordance with the *Environmental Protection (Industrial Waste Resource) Regulations 2009* (Vic).

Spoil Management

Bulk spoil will be generated during the construction of the underground transmission line. The endorsed Traffic Management Plan (TMP) for the project nominates the haulage routes for the generated spoil and management measures relating to potential traffic impacts. Spoil is to be managed in accordance with a spoil management protocol for the project as included in the appendices. This document provides practical guidance on due diligence procedures relating to the identification and management of any unnatural or contaminated soils as described in the relevant EPA guidelines including the *Industrial Waste Resource Guidelines* (IWRG621).

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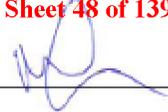
Environmental Management Measures

Table B1-4 Construction and Work Site Management Plan Environmental Management Measures

Aspect	Environmental Management Measures	Responsibility (*ACCIONA Personnel listed)
Access		
Site Access	EMM-1 All vehicles must enter and exit the project site via established public roads and defined site entrances established in the Traffic Management Plan.	Site Supervisor
Noise		
Preconstruction	EMM-2 Ensure all personnel are aware of environmental issues and management measures relating to noise management.	HSE Supervisor
	EMM-3 Designate access routes to site and keep drivers aware of nominated routes.	
Plant and equipment	EMM-4 Ensure construction equipment is fitted with appropriate noise abatement devices (e.g. mufflers) and equipment and noise abatement devices are maintained in good working order.	HSE Supervisor
Scheduling and Consultation	EMM-5 Limit construction activities to: <ul style="list-style-type: none"> • Between 7am and 6pm Monday to Friday and 7am to 1pm Saturdays. • At such other times approved by the responsible authority. 	HSE Supervisor
	EMM-6 Provide general information in the form of project newsletters about the type of construction activities, timing, and duration and management measures being adopted to minimise disruption to the community.	
	EMM-7 Schedule excessively noisy construction activities during periods that are less likely to result in noise nuisance or disturbance.	
	EMM-8 Provide adequate notice (at least 24 hours) to residents prior to the commencement of any potentially excessive noisy construction activities.	
Waste		

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Aspect	Environmental Management Measures	Responsibility (*ACCIONA Personnel listed)
Pre-construction	<p>EMM-9 Contact the respective waste and recycling organisations to arrange for:</p> <ul style="list-style-type: none"> • Storage containers to be situated on site for waste collection. • The removal of waste on a regular basis. • The submission of records (volumes, costs etc). <p>EMM-10 Provide appropriate industrial waste collection facilities at all work sites, to permit appropriate segregation, storage and disposal of waste. These will include rubbish bins, skips, and designated storage areas for general waste, recycling and regulated waste.</p> <p>EMM-11 Portable toilets will be provided on site and emptied as required by a licenced contractor to a licenced waste facility.</p>	Site Supervisor
During Construction	<p>EMM-12 Induct personnel in the principles of avoid, reduce, reuse, recycle, and the appropriate systems for disposal of domestic and industrial wastes.</p> <p>EMM-13 Stockpile and salvage reusable and recyclable waste such as soils, green waste, pallets and scrap metal.</p> <p>EMM-14 Direct all waste materials to a waste management facility lawfully permitted to accept materials.</p> <p>EMM-15 Spoil is to be managed in accordance with the spoil management protocol developed for the project (refer to appendices). This document provides practical guidance on due diligence procedures relating to the identification and management of any unnatural or contaminated soils as described in the relevant EPA guidelines including the <i>Industrial Waste Resource Guidelines (IWRG621)</i>.</p> <p>EMM-16 If any fill material (clean fill) is to be used on site, fill material must comply with EPA (2016) <i>Publication 1624: Industrial Waste</i>.</p> <p>EMM-17 Ensure no on-site disposal of waste.</p>	HSE Supervisor
Transport and Haulage Management		
	<p>EMM-18 Haulage Routes (for bulk construction materials i.e. thermal sand and removal of spoil) are to be established in the project TMP. The TMP is to outline a program of monitoring</p>	HSE Supervisor

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Part B: Construction Environmental Management Plans

Aspect	Environmental Management Measures	Responsibility (*ACCIONA Personnel listed)
	<p>of local and arterial roads and provide an action plan for any identified damage due as a result of construction traffic.</p> <p>EMM-19 A working in a road reserve permit will be obtained from the Relevant Road Authority prior to construction works within a road reserve. The permit will outline applicable mitigation measures for traffic management, in addition to the environmental management measures outlined B2 Sediment, Erosion and Water Quality Management Plan and B4 Flora and Fauna Management Plan to protect roadside flora and fauna.</p>	

Inspection and Monitoring

Table B1-5 Construction and Work Site Management Plan Inspection and Monitoring

Task	Monitoring Frequency	Reporting mechanism	Responsibility
Noise			
Receiving community/ residential complaints.	Daily	Consultation Manager	Community Relations Coordinator
Check plant and equipment are fitted with appropriate noise abatement devices (e.g. mufflers) and equipment and noise abatement devices are maintained in good working order.	Weekly	Weekly Environmental Checklist	HSE Supervisor
Waste			
Volumes of waste to be monitored and recorded on the Monthly Report.	Monthly	Monthly Environmental Report	HSE Supervisor
Inspect litter bin and recycling facilities to ensure that emptying frequency is meeting demand and appropriate segregation is being undertaken.	Weekly	Weekly Environmental Checklist	HSE Supervisor

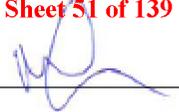
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Task	Monitoring Frequency	Reporting mechanism	Responsibility
Visually inspect site for litter generation issues.	Weekly	Weekly Environmental Checklist	HSE Supervisor

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B2. Sediment, Erosion and Water Quality Management Plan

Introduction

This Sediment, Erosion and Water Quality Management Plan has been prepared to address the potential issues of erosion and sediment control during the construction of the transmission line.

The study area is generally flat with no ridges, crests within or immediately adjacent to the site. There is one dam located within the study area immediately south of Riley Road, Terang.

According to the Department of Environment, Land, Water and Planning (DELWP) Native Vegetation Information Management (NVIM) Tool (DELWP 2019a), the study area occurs within the Victorian Volcanic Plain bioregion. It is located within the jurisdiction of the Glenelg CMA Catchment Management Authority (CMA) and the Moyne Shire and Corangamite Shire municipality.

The site generally has a low erosion hazard due to its gentle slope. However the soils where vegetation cover is sparse may be susceptible to erosion. Topsoil will also be susceptible to erosion following the stripping of vegetation.

There is one dam located adjacent to the study area immediately south of Riley Road, Terang that has the potential to provide habitat for the nationally significant Growling Grass Frog *Litoria raniformis*. Minor and ephemeral creeks also exist.

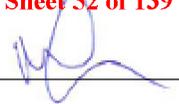
Based on the information obtained from the geotechnical investigations undertaken across the entire site, it is not expected that significant groundwater will be encountered during any part of construction of the transmission line (e.g. excavations associated with the trenching, cable laying or access track construction). If groundwater is encountered, it will be temporarily pumped out of excavations to permit construction activities to continue and allowed to naturally recharge into the ground within the construction footprint. Silt fences and sediment controls will be in place to prevent sedimentation.

Objectives

- Minimise site disturbance.
- Strip and safely stockpile topsoil for later rehabilitation works.
- Divert clean water flows from upslope away from the works areas to limit their erosive potential on disturbed ground.
- Promptly rehabilitate disturbed areas.

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Measurable target

- No discharge of contaminated stormwater from the site.
- No uncontrolled erosion associated with construction activities.

Key References

- EPA (1991) Publication 275: Construction Techniques for Sediment Pollution Control
- EPA (1996) Publication 480: Environmental Guidelines for Major Construction Sites

Environmental Management Measures

Table B2-1 Sediment, Erosion and Water Quality Management Plan Environmental Mitigation Measures

Aspect	Environmental Management Measures	Responsibility
Siting and Design	EMM-20 Site the laydown areas have been nominated on the enclosed development plans. The laydown areas have been selected based on the following criteria: 30m from any significant existing vegetation and not within the TPZ of any trees to be retained; 30m from any known cultural heritage sites; and 30m metres away from any dams or water courses including the potential Growling Grass Frog habitat.	HSE Supervisor
	EMM-21 Site any chemical storage, waste materials, litter or any other potential source of pollution a minimum of 100m from any drainage lines or watercourses and in accordance with the EPA (1996) <i>Publication 480: Environmental Guidelines for Major Construction</i> .	
	EMM-22 Delineate areas for vehicle parking.	
	EMM-23 All land disturbance must be confined to the defined constructed area as described in the <i>endorsed plan</i> .	
	EMM-24 Trenching will consider the proximity to waterways and low-lying areas which could be subject to ponding and intermittent flow paths.	

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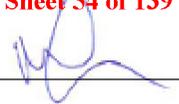
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Part B: Construction Environmental Management Plans

Aspect	Environmental Management Measures	Responsibility
Erosion and Sediment Control	EMM-25 Review the drainage and hydrology of the project area and progressively implement suitable sediment controls as construction progresses to prevent sediment laden run-off from leaving the construction corridor.	HSE Supervisor
	EMM-26 Divert external water around the staging areas using drainage structures such as catch drains and bunds.	
	EMM-27 Install geo-textile silt fences on drainage lines from the site which are to receive runoff from exposed and disturbed areas.	
	EMM-28 Direct storm water runoff from cleared erosion prone areas, and away from receiving drainage lines and watercourses.	
	EMM-29 Discharge ponded water away from cleared areas to stable (vegetated) areas.	
Erosion and Sediment Control Inspection	EMM-30 Regularly inspect sediment control measures that are installed to ensure they are operating effectively.	HSE Supervisor
Roadside drainage	EMM-31 Where construction occurs within an existing road reserve, any road side drains are re-instated following the completion of works.	HSE Supervisor
Stockpile Management	EMM-32 Maintain a minimum distance of 30m between stockpiles and any designated waterways.	HSE Supervisor
	EMM-33 Stockpiling is to occur outside of areas supporting sensitive flora and/or native vegetation and outside drip line of trees and remain within the construction footprint	
	EMM-34 Each soil horizon will be stockpiled separately to aid with site restoration and rehabilitation once work is complete.	
	EMM-35 Ensure stockpiles are designed with slopes no greater than 1(V):2(H).	
	EMM-36 Cover stockpiles with geo-fabric material or seed with sterile grasses if stockpiles are to remain on site for an excessive period (longer than 6 months).	
	EMM-37 Water stockpiles to suppress dust when required by adverse weather conditions.	
	EMM-38 Monitor to determine if any dust is being generated over the site and adjacent to public roads (from sources such as cleared areas and stockpiles).	

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Aspect	Environmental Management Measures	Responsibility
Dust and Dirt on Roads	<p>EMM-39 Visually inspect public roads for excess dirt/mud (on sealed roads).</p> <p>EMM-40 Use water sprays and/or a water cart to dampen roads and access tracks if dust becomes a problem on site (due to weather conditions, volume of site traffic etc).</p>	HSE Supervisor
Rehabilitation	EMM-41 Rehabilitate disturbed areas progressively and as soon as practicable following completion of work in each area, at a minimum rehabilitation will commence no later than 1 month after project completion.	HSE Supervisor
Sewage Management	EMM-42 Use a licensed supply and disposal contractor to manage and dispose of all waste from portable toilet facilities.	Site Supervisor
Water Quality Monitoring	EMM-43 No specific water quality testing is required given there are no designated waterways are effected by the project.	HSE Supervisor
Erosion and Waterway Sedimentation Response	<p>EMM-44 If erosion or sedimentation in waterways or drainage lines is observed, immediately notify the Site Supervisor who will determine appropriate remedial action. Remedial action including but not limited to: reinstate ground cover (including re-seeding), modifying the path of water runoff, exclude livestock from the area until the area is remediated.</p> <p>EMM-45 In the event that groundwater is encountered during construction work, the groundwater will be managed by temporary localised removal from excavations and re-charge back into the ground within the construction footprint.</p>	HSE Supervisor

Inspection and Monitoring

Table B2-2 Sediment, Erosion and Water Quality Management Plan Inspection and Monitoring

Task	Monitoring Frequency	Reporting Mechanism	Responsibility
Visual check that any necessary diversions, bunds etc. are constructed prior to ground disturbance in that area.	Prior to construction	Weekly Environmental Checklist	HSE Supervisor

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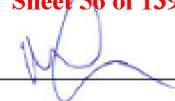
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Task	Monitoring Frequency	Reporting Mechanism	Responsibility
Inspection of sediment control devices to confirm they are working effectively.	Weekly	Weekly Environmental Checklist	HSE Supervisor
Surveillance for localised erosion on site.	Weekly	Weekly Environmental Checklist	HSE Supervisor
Visually inspect public roads for excess dirt/mud.	Weekly	Weekly Environmental Checklist	HSE Supervisor
Observe if any dust is being generated over the site or adjacent to public roads (from sources such as cleared areas or stockpiles).	Weekly	Weekly Environmental Checklist	HSE Supervisor

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B3. Hydrocarbon and Hazardous Substances Plan

Introduction

Hazardous substances associated with the construction of the transmission line are likely to include:

- Fuels and oils used in construction machinery.
- Cleaning detergents.
- Marking paints.
- Herbicides for weed control.

Objectives

- Protect air, land, water and human ecological health from the impacts of hazardous materials.
- Ensure that hazardous materials are transported, stored, used and disposed in such a way as to cause no environmental damage.

Key References

- EPA (2015) Publication 347.1 Bunding
- Standards Australia (2017) AS1940:2017 The storage and handling of flammable and combustible liquids

Measurable targets

- Material Safety Data Sheets (MSDS) and Hazardous Substances registers are kept for all hazardous materials used and/or stored during construction of the transmission line.
- All hazardous substances stored correctly (as outlined in material safety data sheets).
- Spill kits present on-site during construction, stocked appropriately and located in close proximity to work activity areas.
- No environmental incidents from spills to land, ground or surface water.

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Environmental Management Measures

Table B4-1 Hydrocarbon and Hazardous Substances Plan Environmental Management Measures

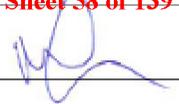
Aspect	Environmental Management Measures	Responsibility
General	EMM-46 Establish and maintain an up-to-date library of MSDS and regulatory authority guidelines for the safe handling, transport and storage of all hazardous materials used in construction activities.	HSE Supervisor
	EMM-47 Review MSDS and any regulatory authority guidelines before handling, transporting and storing hazardous materials.	
	EMM-48 Train field personnel in procedures for the safe handling, transport, storage and disposal of hazardous materials.	
	EMM-49 Provide spill response kits as necessary at hazardous materials storage facilities and to accompany vehicles, plant and equipment that contain, or are transporting, hazardous materials outside of designated hazardous material work sites. The spill response kit should be appropriate to the type and volume of hazardous goods carried and may include fire suppression equipment and spill containment materials (e.g., absorbent matting, oil booms, and sand bags). Hydraulic equipment, such as excavators, backhoes and drill rigs, must carry spill kits capable of containing hydraulic oil spills.	
	EMM-50 Ensure appropriate personal protective equipment (PPE) is available at site. This may include disposable gloves, face masks and eye protection.	
	EMM-51 Ensure chemicals, chemical wastes and other liquids are stored on site in accordance with EPA (2015) <i>Publication 347.1 Bunding</i> .	
Hazardous Materials Transport	EMM-52 When transporting hazardous materials, engage an appropriately licensed contractor, who has knowledge of appropriate legislation, handling and reporting procedures, to transport and dispose of hazardous materials.	HSE Supervisor
	EMM-53 Transport dangerous goods in accordance with relevant State and Federal regulations	
Hazardous Material Disposal	EMM-54 When disposing of hazardous materials, collect and dispose or recycle all waste hazardous materials and their containers to approved disposal or recycling facilities.	Site Supervisor
Spill Response	EMM-55 If a spill occurs, immediately contain and clean up the spill in accordance with the relevant MSDS and report the spill to the Site Supervisor.	HSE Supervisor

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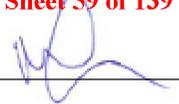
Inspection and Monitoring

Table B4-2 Hydrocarbon and Hazardous Substances Plan Inspection and Monitoring

Task	Monitoring Frequency	Reporting mechanism	Responsibility
Ensure that hazardous substances on site are listed on the Hazardous Substances Register.	Weekly	Weekly Environmental Checklist	HSE Supervisor
Ensure chemical storage areas are signed with the appropriate signage and maintained in good working condition.	Weekly	Weekly Environmental Checklist	HSE Supervisor
Inspect storage facilities and bunding to check for tidiness, structural integrity and possible undetected leaks or spills.	Weekly and; After each significant rainfall event	Weekly Environmental Checklist	HSE Supervisor
Inspect that spill kits are available and stocked appropriately.	Weekly	Weekly Environmental Checklist	HSE Supervisor

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B4. Flora and Fauna Management Plan

Introduction

The transmission cable alignment site lies on predominately flat land which has been cleared for agricultural development. There are isolated patches of remnant native vegetation and scattered trees. Native vegetation within the proposed disturbance footprint for the wind farm site is limited to small areas, as highlighted in the development plans.

Remnant vegetation on the transmission alignment is representative of two EVCs: Plains Grassland and Plains Grassy Woodland. A total of eight (8) scattered Small Trees were recorded within, or immediately adjacent to the study area. These trees would once have been part of the Plains Grassy Woodland EVC, however the understorey vegetation consists of predominantly introduced species (mainly exotic pasture grasses) and the trees no longer form a patch of native vegetation.

A small number of wetlands, farm dams occur on and in the vicinity of the site. The site was found not to support any significant habitat for rare or threatened flora.

Flora and fauna at the transmission cable site alignment consists of the following:

The site is dominated by introduced pasture species and has been subject to intensive agricultural modification and production for the past 50 years.

The lack of suitable habitat for other native fauna on the site makes it unlikely that any other nationally or state listed or threatened species of fauna would occur on the site. Marginal habitat for the nationally significant Growling Grass Frog *Litoria raniformis* is potentially present in private land adjacent to the construction corridor. However, the action will not result in a direct or indirect impact to the habitat.

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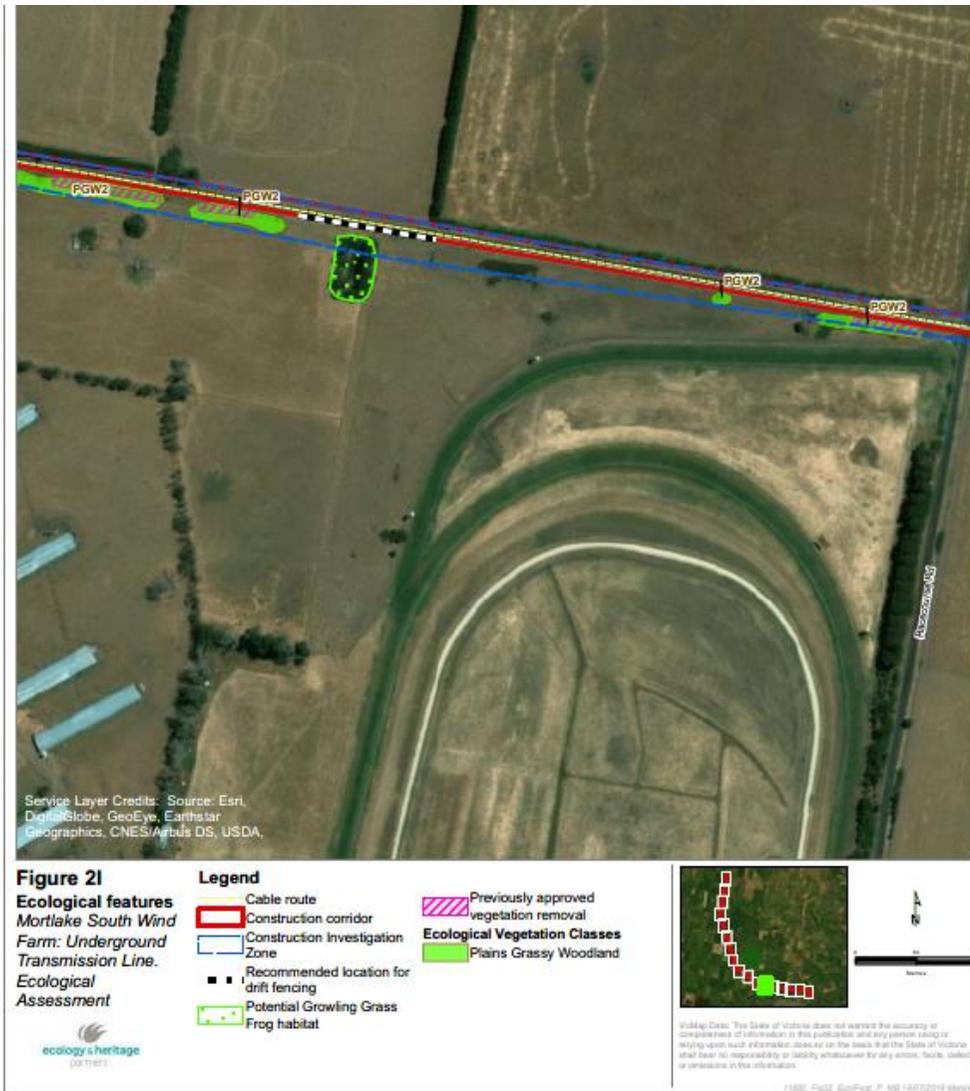


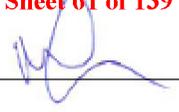
Figure B8-1. Extract from the Biodiversity Report illustrating the location of the potential GGF habitat along Riley Road and location of the fence to be installed.

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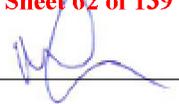
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Infrastructure including the underground cable, staging areas and access tracks will not impact any native flora or fauna. The vegetation permitted to be removed will be off-set as required by the planning permit.

The Planning Permits allows for up to 3.928 ha of native vegetation to be removed, subject to securing suitable offsets.

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Objectives

- Avoid the removal of native vegetation.
- Provide procedure for rehabilitation of the site
- Protect native flora and fauna habitat.
- Minimise disturbance to native fauna.

Key References

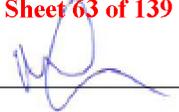
- Wildlife Act 1975
- DELWP (2017) Guidelines for the removal, destruction or lopping of native vegetation

Measurable target

- No damage to native flora and fauna that is not approved for removal.
- No significant adverse impact on native fauna species.
- Appropriate rehabilitation.

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Environmental Management Measures

Table B5-1 Flora and Fauna Management Plan Environmental Management Measures

Aspect	Environmental Management Measures	Responsibility
Pre-construction	EMM-56 For native vegetation that is to be removed as shown in the development plans, offsets will be secured prior to the commencement of construction in accordance with the Planning Permit.	Site Supervisor
	EMM-57 Protect all native vegetation to be retained within the defined construction corridor with highly visibility fencing (e.g. safety mesh). The defined construction corridor is illustrated in the enclosed development plans as is the native vegetation to be retained. A suitably qualified surveyor will set out the location of vegetation to be retained using pegs to ensure the location of protection fencing can be verified and audited.	
	EMM-58 Where native vegetation is present that is to be retained, protective fencing will be erected to prevent any accidental damage from occurring. This includes establishing Tree Protection Zones (TPZs) for large trees to be retained. A suitably qualified surveyor will set out the location of vegetation to be retained using pegs to ensure the location of protection fencing can be verified and audited. Tree Protection Zones must comply with AS4970-2009.	
	EMM-59 Establish drift fencing along the potential area of growling grass frog habitat along Riley Road.	
	EMM-60 The removal of habitat trees (hollow bearing and stag trees as identified in the Biodiversity Assessment) is to be completed under the supervision of an appropriately qualified zoologist and translocate any displaced fauna.	
Inductions	EMM-61 Relevant site personnel accessing the transmission line site are to be inducted on this Flora and Fauna Management Plan before entering the site. This includes the identification of the Growling Grass Frog habitat along Riley Road.	HSE Supervisor
	EMM-62 The key personnel to be contacted in the event of a compliance breach is the on-site HSE Supervisor (or representative) and is to be clearly indicated during the induction.	
Disturbance from vehicles and machinery	EMM-63 Vehicles and machinery to be restricted to the approved disturbance footprint.	HSE Supervisor/Site Supervisor
	EMM-64 "No-Go" Areas including areas of cultural heritage sensitivity and ecological significance (the potential Growling Grass Frog habitat and significant trees and vegetation to be	

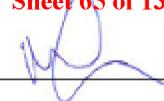
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Aspect	Environmental Management Measures	Responsibility
	<p>retained) will be established with tree protection fencing and drift fence for the GGF habitat.</p> <p>EMM-65 All machinery and vehicles are to enter and exit the site along defined routes.</p>	
Alteration of hydrology or soil moisture levels	<p>EMM-66 All cable trenches and access tracks are to be designed and constructed in a manner which does not restrict or significantly alter surface water runoff within tributaries/catchments for areas supporting native vegetation (i.e. uphill of these areas or within permanent or ephemeral drainage lines or watercourses).</p> <p>EMM-67 Where required, this is to include the following measures to direct surface water runoff in the appropriate direction:</p> <ul style="list-style-type: none"> • Appropriate levelling of access tracks • Permanent piping or provision of culverts under access tracks • Suitably designed and constructed bridges over any identified significant, permanent drainage lines or watercourses. 	Site Supervisor
Native Trees	<p>EMM-68 All cable trenching and excavating will occur outside the Tree Retention Zone (TRZ) of trees to be retained as far as is practical, where the TRZ is an area around the tree with a radius of 12 times the diameter at breast height (capped at no less than 2 metres and no greater than 15 metres).</p>	HSE Supervisor
Native Fauna	<p>EMM-69 In the event that fauna is identified and unable to leave the construction zone safely or is found injured, a suitably qualified wildlife handler or zoologist is to be engaged to capture and appropriately manage the native fauna. The wildlife handler or zoologist will be required to hold an appropriate license or authorisation under the <i>Wildlife Act 1975</i>.</p> <p>EMM-70 The area of potential Growling Grass Frog Habitat (along Riley Road) will be protected from disturbance via an upstream silt fence.</p> <p>EMM-71 In the event that a Growling Grass Frog is identified within the construction zone, the following protocol will be enacted:</p> <ul style="list-style-type: none"> - Works will be temporarily halted within 30 metres of the identified siting; - A wildlife handler who holds an appropriate authorisation under the Wildlife Act 1975 will be contacted. 	Site Supervisor

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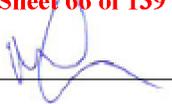
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Aspect	Environmental Management Measures	Responsibility
	<ul style="list-style-type: none"> - The Flora and Fauna assessment located one dam which provides suitable habitat for the Growling Grass Frog in the project area (refer to figure 2l in the Biodiversity Report). The northern boundary of the dam is located 6 metres from the construction zone and will not be directly impacted by the construction activities. The southern boundary of the dam is located approximately 50 metres from the construction zone. The most suitable location for relocation will therefore be on the southern end of the dam. The drift fencing established along the northern side of the dam will limit any potential GGF movement into the construction zone. - Frogs will be relocated and released into favourable micro-habitats such as areas containing rocks or dense vegetation around the southern perimeter of the dam. - Relocation will consider the potential spread of diseases (chytrid fungus), with any sick specimen kept to determine if it infected by the wildlife handler. - Works will only recommence once the specimen has been relocated. 	
Stockpiles	<p>EMM-72 Any stockpiling is to occur within the defined construction footprint.</p> <p>EMM-73 Erosion control activities are to include:</p> <ul style="list-style-type: none"> • The use of sediment fences to prevent sediment entering waterways and drainage lines. • Minimisation of the area of disturbed soil at any one time. 	Site Supervisor
Cable trenching and excavating	<p>EMM-74 Minimise the occurrence of fauna getting trapped in the trench by managing the amount of open trench and backfilling as soon as practicable.</p> <p>EMM-75 Any trenching left open overnight will be fenced with fauna proof fencing or covered over, or that the end of all trenches will be battered to enable trapped fauna to escape.</p> <p>EMM-76 Inspect any open trench and excavations daily, as soon as practicable following sunrise, for trapped stock and native fauna including the Growling Grass Frog. If a specimen is found, the growling grass frog relocation protocol will be enacted.</p> <p>EMM-77 If required, engage a suitably qualified wildlife handler to capture, handle and release any trapped native fauna. The wildlife handler will be required to hold an appropriate license or authorisation under the <i>Wildlife Act 1975</i>.</p>	Site Supervisor

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Aspect	Environmental Management Measures	Responsibility
	<p>EMM-78 Retrieve or release native fauna in accordance with the conditions of a management authorisation.</p> <p>EMM-79 Record the location, date and time and species of trapped native fauna.</p> <p>EMM-80 Installation of drift fencing upstream of the potential GGF Habitat along Riley Road.</p>	
Site Rehabilitation	<p>EMM-81 Following construction and commissioning, the site will be restored by:</p> <ul style="list-style-type: none"> • Removal of contractor’s facilities and any wastes or surplus materials. • Removal and restoration of any temporary construction areas. • Ongoing maintenance of any land stabilisation required until adequate ground cover is established. <p>EMM-82 Natural regeneration is the preferable method of rehabilitation, however if evidence of regeneration is not observed during the spring season following construction, revegetation via direct seeding and rehabilitation is to occur.</p> <p>EMM-83 Non-invasive pasture species will be used for rapid rehabilitation and revegetation of disturbed areas, in order to reduce the potential for erosion. Native species will be prioritised. We note permanent offsets have been secure for the loss of native vegetation during construction, however it is noted that natural re-vegetation of the area will occur.</p> <p>EMM-84 The disturbed areas to be revegetated will be levelled and compacted prior to seeding. Reseeding of the disturbed areas by manually raking seeds through topsoil, or another suitable seeding methodology.</p> <p>EMM-85 Following revegetation, pest plant management will be undertaken within 6 months of rehabilitation where deemed required by the HSE Supervisor in accordance with B8 Pest Plant Management Plan of this EMP.</p>	Site Supervisor

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Inspection and Monitoring

Table B5-2 Flora and Fauna Management Plan Inspection and Monitoring

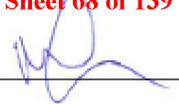
Task	Monitoring Frequency	Reporting mechanism	Responsibility
Regular inspections to ensure all areas of native vegetation within 30 metres of disturbance areas are suitably protected and have not been damaged or evidence of pest plants infestation.	Prior to works commencing in that area. Then weekly checks thereafter.	Weekly Environmental Checklist	HSE Supervisor
Ensure the marking on trees to be removed and/or lopped is visible.	Prior to trees being removed	None	HSE Supervisor
Regularly inspect site to ensure stockpiles are not stored under the drip line of trees or on top of native vegetation.	Weekly	Weekly Environmental Checklist	HSE Supervisor
Regularly inspect the rehabilitation and revegetation post construction to ensure revegetation is occurring.	Post construction	Weekly Environmental Checklist	HSE Supervisor
Ensure any translocation of other fauna is undertaken by a suitably qualified wildlife ecologist.	If required	None	HSE Supervisor
Regularly inspect any protective fencing. Verify the location of vegetation protection fencing against the installed survey pegs.	Weekly	Weekly Environmental Checklist	HSE Supervisor

Native Vegetation Removal Protocol

The native vegetation proposed to be removed as part of the wind farm development has been provided in Appendix C of this EMP and described in the development plans enclosed.

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Planning Permit PA1900603 and PA1900604 govern the removal of native vegetation. The permits allows the removal of up to 3.9 ha of native vegetation, subject to appropriate offsetting **prior to** the removal of the native vegetation. Offsetting must be in accordance with the *Guidelines for the removal, destruction or lopping of native vegetation* (DELWP 2017).

Before any native vegetation is removed, evidence that the required offset for the project has been secured must be provided to the satisfaction of the Minister for Planning. The offset evidence can be:

- a security agreement signed by both parties, to the required standard, for the offset site or sites, including a 10 year offset management plan, or
- An allocated credit extract from the Native Vegetation Credit Register.

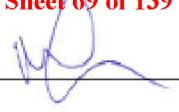
A copy of the offset evidence will be endorsed by the Minister for Planning and form part of the Planning Permit.

Once offsetting is achieved, areas of native vegetation to be retained within close proximity to the disturbance footprint, the following will be undertaken:

- Fencing will be used to protect native vegetation; and
- A suitably qualified surveyor will set out the location of vegetation to be retained using pegs to ensure the location of protection fencing can be verified and audited.

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B5. Pest Animal Management Plan

Introduction

This Pest Animal Management Plan aims to ensure that the construction of the transmission line does not lead to an increase in declared pest animals under the *Catchment and Land Protection Act 1994*, including Common Rat (rat), European Rabbit (rabbit) and Red Fox (fox) populations on the site.

This plan focuses on ensuring that there is no increase in habitat or food supplies for rabbits arising from the construction of the wind farm. It responds to potential risks arising from earthworks that can create additional harbour and warren opportunities for rabbits and rats.

Objectives

- Minimise the potential for the spread of pest animals on the site.
- To detail land management and control measures that will prevent the number of fox and rabbit increasing in areas affected by development of the wind farm.
- To detail documentation methods and requirements.

Measurable target

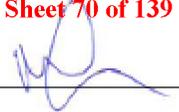
- No increase in rat, fox and rabbit habitat or food supply or introductions of other declared pest animal's onsite.

Key References

- Catchment and Land Protection Act 1996 (Vic)
- Catchment and Land Protection Regulations 2012 (Vic)
- Wildlife Act 1975 (Vic)
- Prevention of Cruelty to Animals Act 1986 (Vic)
- Civil Contractors Federation (2011) A Guide for Machinery Hygiene for Civil Construction

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- DEDJTR (2009) Biosecurity Guidelines for Movement of Equipment
- DEDJTR (2017) Invasive Plants and Animals Policy Framework
- NSW Department of Primary Industries (2005) Humane Pest Animal Control Codes of Practice and Standard Operating Procedures

Environmental Management Measures

Table B7-1 Pest Animal Management Plan Environmental Mitigation Measures

Aspect	Environmental Management Measures	Responsibility
General	<p>EMM-86 Ensure all personnel are inducted and aware of issues and management measures relating to pest animals.</p> <p>EMM-87 Any pest animals trapped by construction activities (ie. trenching) or otherwise in the possession of construction personal must be humanely destroyed by suitably qualified personnel in accordance with referenced guidelines.</p> <p>EMM-88 Visual inspections during construction of disturbed areas for any pest animals including rats, rabbits and foxes. All siting's are to be recorded in a management log.</p>	HSE Supervisor
Specific Pest Animal control: <u>Rabbits</u>	<p>EMM-89 Rocks removed or moved during construction must be placed in a manner that does not create piles that form harbour for rabbits. Rocks will be spread at low density in areas of pasture or used in habitat reinstatement, however will not be placed in areas of existing native vegetation.</p> <p>EMM-90 Control all rabbit burrows that become established in areas disturbed during construction through warren ripping using the measures prescribed in Regulation 8 of the <i>Catchment and Land Protection Regulations 2012</i>.</p>	HSE Supervisor
Specific Pest Animal control: <u>Rat</u>	<p>EMM-91 Rocks removed or moved during construction must be placed in a manner that does not create piles that form harbour for rats. Rocks will be spread at low density in areas of pasture or used in habitat reinstatement, however will not be placed in areas of existing native vegetation.</p>	HSE Supervisor

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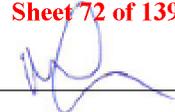
Aspect	Environmental Management Measures	Responsibility
Specific Pest Animal control: <u>Foxes</u>	<p>EMM-92 All food scraps to be deposited in the bins provided.</p> <p>EMM-93 Rocks removed or moved during construction must be placed in a manner that does not create piles that form harbour for foxes. Rocks will be spread at low density in areas of pasture or used in habitat reinstatement however will not be placed in areas of existing native vegetation.</p> <p>EMM-94 In the event that fox dens that become established in areas disturbed during construction, control measures will be implemented in consultation with the landholder.</p>	HSE Supervisor

Inspection and Monitoring

Task	Monitoring Frequency	Reporting mechanism	Responsibility
Visual inspections during construction of disturbed areas for any pest animal harbour, including rats, rabbits and foxes.	Weekly	Weekly Environmental Checklist	HSE Supervisor
Visual inspections during construction for potential pest animal food supply or other declared pest animals onsite	Weekly	Weekly Environmental Checklist	HSE Supervisor

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B6. Pest Plant Management Plan

Introduction

Pest plant species are found over most of the transmission cable alignment. Construction activities have the potential to spread of existing weeds and plant pathogens, and to introduce weeds and pathogens to areas that were previously free of these species.

Declared noxious weed species have been previously identified on the site during environmental surveys and are to be controlled in areas disturbed by the construction of the transmission line:

- Gorse (*Ulex europaeus*) – Regionally Controlled
- Spear Thistle (*Cirsium vulgare*) – Restricted
- Variegated Thistle (*Silybum marianum*) – Restricted
- African Box Thorn (*Lycium ferocissimum* Miers) – Regionally Controlled
- Sweet Briar (*Rosa rubiginosa*)
- Blackberry (*Rubus fruticosus*) – Regionally Controlled
- Willow (*Salix* spp)
- Golden Thistle (*Scolymus hispanicus*) – Regionally Controlled
- Serrated Tussock (*Nassella trichotoma*) – Regionally Prohibited
- Hawthorn (*Crataegus monogyna*) – Declared Noxious Weed

Objectives

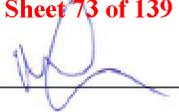
- Minimise the potential for the spread of pest plants and pathogens on the site.
- Minimise the potential for new pest plants or pathogens to be introduced to the site.

Measurable target

- No increases in the extent of pest plants present onsite.

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- No new introductions of new noxious weed species on site.

Key References

- Catchment and Land Protection Act 1996 (Vic)
- Catchment and Land Protection Regulations 2012 (Vic)
- Civil Contractors Federation (2011) A Guide for Machinery Hygiene for Civil Construction
- DEDJTR (2009) Biosecurity Guidelines for Movement of Equipment
- DEDJTR (2017) Invasive Plants and Animals Policy Framework

Environmental Management Measures

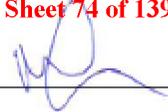
Table B8-1 Pest Plant Management Plan Environmental Management Measures

Aspect	Environmental Management Measures	Responsibility
Pre-construction	EMM-95 Equipment and vehicles brought to the site for construction activities will be free of all soil and debris.	Site Supervisor
	EMM-96 Ensure all personnel are inducted and aware of biosecurity issues and management measures relating to weed and pathogen spread.	
Exposed earth management	EMM-97 Minimise areas of exposed earth to prevent invasion of pest plants.	Site Supervisor
	EMM-98 Rehabilitate and revegetate bare earth with appropriate non-invasive species as agreed with the landowner.	
Traffic Management	EMM-99 Ensure that all vehicles and plant machinery stay on approved access tracks to minimise the risk of pest plant spread.	Site Supervisor
	EMM-100 All ground-breaking plant/ machinery will be inspected on arrival and a weed hygiene declaration completed by the plant operator. Any vehicles/ plant/ machinery which is determined to contain soil, plant material or compounds which may contain any seed or plant parts capable of growing must be clean and free from debris.	

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Aspect	Environmental Management Measures	Responsibility
	<p>EMM-101 All materials and products including soil, sand, gravel, rock, water, fertiliser, mulch, seed, plants and packaging are to be sourced from appropriately licenced quarries and suppliers and free of pest plant material before entering the site.</p> <p>EMM-102 Ground breaking equipment will be washed down within the property the machine is working by a mobile trailer before moving out the transmission line project site or onto another property to prevent the spread of weeds onto neighbouring properties.</p>	
Weed Control	<p>EMM-103 Control any significant weed outbreaks resulting from construction activities in consultation with the landholder.</p> <p>EMM-104 If required, adopt precision weed control methods outlined in Regulation 7 of the <i>Catchment of Land Protection Regulations 2012</i>. This shall include spot-spraying in accordance with the product label and directions for use, of an herbicide product that is registered by the Australian Pesticides and Veterinary Medicines Authority. The label of the herbicide must allow for the control of the relevant weed species.</p> <p>EMM-105 If required, herbicide is delivered through a hand held appliance, a compatible marker dye must be incorporated into the herbicide</p> <p>EMM-106 Do not apply herbicide in wet areas or within two days of rain (before or after).</p>	HSE Supervisor

Inspection and Monitoring

Table B8-2 Pest Plant Management Plan Inspection and Monitoring

Task	Monitoring Frequency	Reporting mechanism	Responsibility
Visual inspections of construction sites and disturbed areas for any weed growth including noxious species.	Weekly	Weekly Environmental Checklist	HSE Supervisor

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B7. Cultural Heritage Management Plan

Introduction

A CHMP was approved by Aboriginal Victoria (AV) in August 2019. Compliance with an approved CHMP is a legislative requirement pursuant to Section 67A of the *Aboriginal Heritage Act 2006* (Vic). Three new Aboriginal places were recorded and one previously recorded Aboriginal place was inspected during the standard and complex assessment of this CHMP. The proceeding sections document the analysis, extent, nature and significance of these Aboriginal places in the Activity Area.

The CHMP identifies the location of artefacts which must be avoided and also specifies that protective fencing in the form of start pickets and bunting will be installed to a buffer of 5m from the primary grid coordinate of the place. The fencing will be signed as a “No-Go Zone” and can be removed at the completion of the activity.

The cultural material identified in the CHMP to be protected is illustrated in Figure B8-1. Cultural material identified in the CHMP and management, mitigation and salvage requirements (GHD 2019) include:

- VAHR 7421-0239 Pejark Marsh LDAD 2
- VAHR 7421-0241 Pejark Marsh LDAD
- VAHR 7421-0242 Pejark Marsh Historical Finds

The nontronite sulphuric yellow clay layer below Terang-Mortlake Road (ref: VAHR 7421-0004) will be avoided by limited excavation/boring activities to a depth of 3.2 metres.

Cultural material which cannot be avoided (VAHR 7421-0240) will be salvaged in accordance with the program of works specified in the approved CHMP. A “No-Go” area along Littles Lane will be observed until salvage operations have been completed.

Contingency plans have been incorporated into both the CHMP and this EMP in the event cultural heritage or human remains are discovered during construction.

Objectives

- Minimise the impact to Aboriginal cultural heritage.
- Manage impacts where they cannot be avoided.

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Measurable target

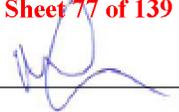
- No damage to aboriginal cultural heritage outside of the CHMP activity area.

Key References

- GHD Pty Ltd (2019) Mortlake Wind Farm Transmission Line, Mortlake, Victoria: Aboriginal Cultural Heritage Management Plan

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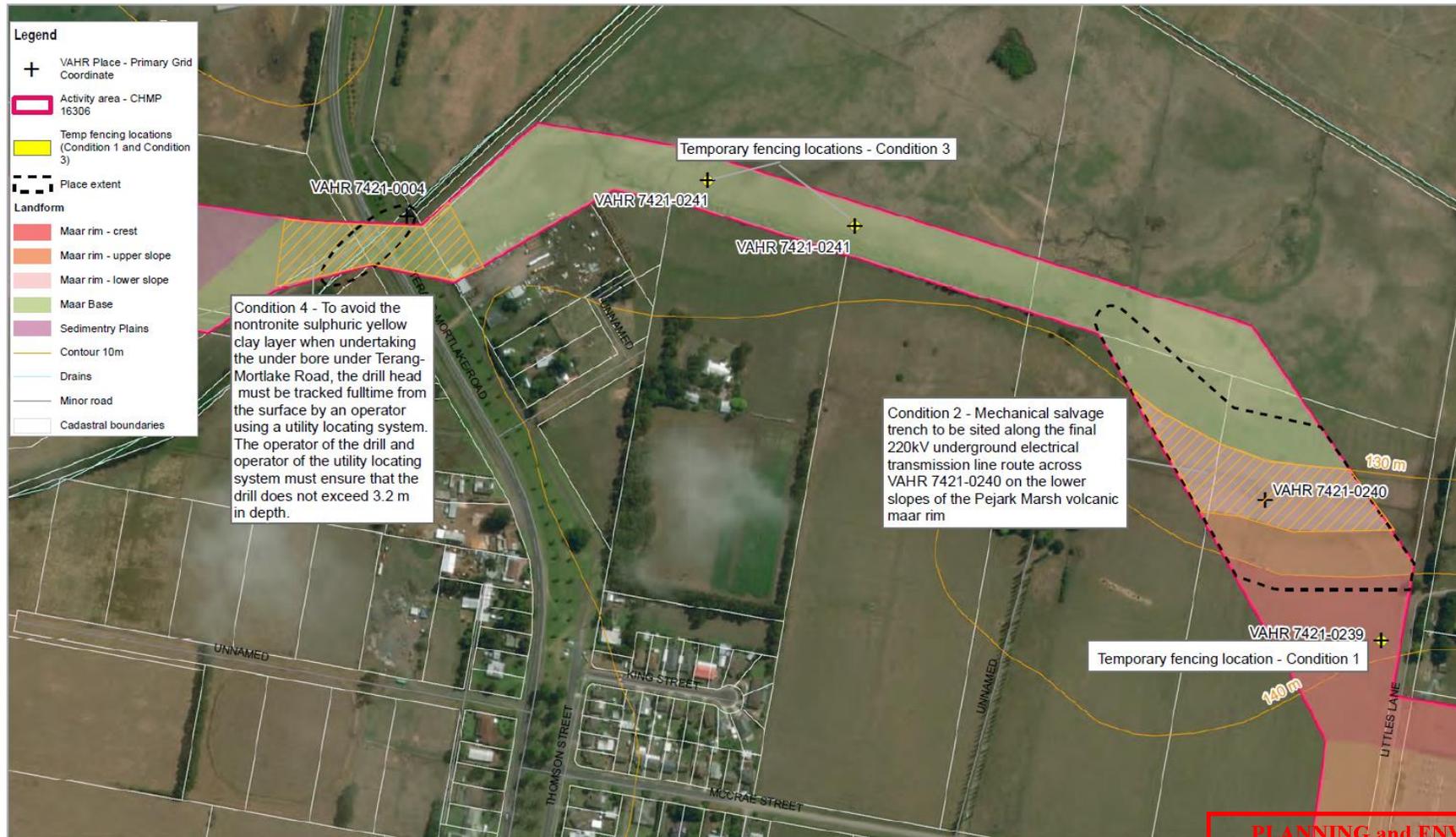


Figure B8-1. Cultural material identified in the CHMP and management, mitigation and salvage requirements (PA 1900603 & 1900604)

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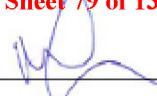
Environmental Management Measures

Table B9-1 Cultural Heritage Management Plan Environmental Management Measures

Aspect	Environmental Management Measures	Responsibility
Pre-construction	<p>EMM-107 Ensure salvage of cultural artefacts is completed prior to construction activities in accordance with Condition 2 of the CHMP (refer to Figure B8-1).</p> <p>EMM-108 Ensure temporary fencing is erected prior to construction at to protect cultural artefacts at VAHR 7421-0239 Pejark Marsh LDAD 2 and VAHR 7421-0241 Pejark Marsh LDAD (refer to Figure B8-1).</p>	HSE Supervisor
Inductions	<p>EMM-109 All key personnel accessing the MSWF transmission cable alignment are to be inducted on the CHMP before entering the site in accordance with condition 4 of the CHMP, including:</p> <ul style="list-style-type: none"> • A brief history of Aboriginal occupation within the Activity Area and wider region, • A summary of previous archaeological investigations undertaken within the Activity Area, • The specific details of any previously recorded Aboriginal cultural heritage material within the Activity Area identified during the CHMP, • A summary of the conditions and contingencies contained within the CHMP, and • The obligations of the Sponsor and all site personnel under the Aboriginal Heritage Act 2006. <p>EMM-110 The key personnel to be contacted in the event of a compliance breach are to be clearly indicated during the induction.</p>	HSE Supervisor
Disturbance from vehicles and machinery	<p>EMM-111 Vehicles and machinery to be restricted to the approved disturbance footprint.</p> <p>EMM-112 Protect areas of Aboriginal cultural heritage in close proximity to construction areas with highly visible fencing or safety mesh during the entire duration of construction/works. Fencing is to be maintained during the entire duration of construction/works. Ensure temporary fencing and signage is installed and operable at the locations specified in the CHMP including:</p>	HSE Supervisor

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Aspect	Environmental Management Measures	Responsibility
	<ul style="list-style-type: none"> VAHR 7421-0239 Pejark Marsh LDAD 2 VAHR 7421-0241 Pejark Marsh LDAD VAHR 7421-0242 Pejark Marsh Historical Finds Ensure the No-Go area along Littles Lane is observed until salvage operations have been completed (ref: VAHR 7421-0240). Ensure excavation/boring depth does not exceed 3.2 metres below the natural ground level under Terang- Mortlake Road to avoid the nontronite sulphuric yellow clay layer (ref: VAHR 7421-0004). <p>EMM-113 All machinery and vehicles are to enter and exit the site along defined routes.</p>	
Discovery of aboriginal cultural heritage	EMM-114 If any suspected aboriginal cultural heritage material is discovered on site, follow the aboriginal cultural heritage contingency plan.	HSE Supervisor
Discovery of human remains	EMM-115 If any suspected human remains are discovered on site, follow the discovery of human remains contingency plan.	HSE Supervisor

Inspection and Monitoring

Table B9-2 Cultural Heritage Management Plan Inspection and Monitoring

Task	Monitoring Frequency	Reporting mechanism	Responsibility
Ensure construction works do not extend outside the area assessed under the CHMP.	Weekly	Weekly Environmental Checklist	HSE Supervisor

Aboriginal Cultural Heritage Contingency Plan

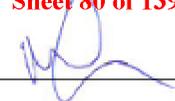
This plan summarises the requirements of the contingency plan contained within the approved CHMP. The contingency plan is to be read on conjunction with the approved CHMP.

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Contingency for the Discovery of Aboriginal Cultural Heritage

A person who discovers or suspects they have discovered Aboriginal cultural heritage during construction activities within the activity area covered by this CHMP will immediately notify the person in charge of the activity. The person in charge of the activity must then suspend any relevant works at the location of the discovery and within five metres of the extent of the suspected site.

The person in charge of the activity must then contact a Heritage Advisor who, after consultation with the RAP/s or (in the absence of (a) RAP/s) the RAP applicant/s or (in the absence of (a) RAP applicant/s) AV will evaluate the Aboriginal cultural heritage to determine if the material is part of a known site or is a new site. The Heritage Advisor will then be engaged to update and/or complete site records and advise on possible management strategies.

Within a period of three (3) working days a decision/recommendation will be made by the Heritage Advisor in consultation with a representative of the RAP and the Sponsor in regard to the process to be followed to manage the cultural heritage in a culturally appropriate manner, and how to proceed with the works.

In instances where salvage of discovered Aboriginal cultural heritage is required, decisions about how to proceed with salvage excavation must be made on a case-by-case basis by the Heritage Advisor, in conjunction with a representative of the RAP. Aboriginal Victoria may also be consulted. The methodology of any salvage excavation must be appropriate to the site type(s) discovered and the nature, extent and significance of the site(s). For this reason, and in order to avoid the application of salvage methodologies which are inappropriate to the type of Aboriginal cultural heritage discovered, this contingency plan does not propose any particular methodological details for the salvage of Aboriginal cultural heritage unexpectedly discovered during the proposed activity. It should be noted, however, that any salvage excavation undertaken following the unexpected discovery of Aboriginal cultural heritage will abide by Regulation 61 of the Aboriginal Heritage Regulations 2007 and be undertaken in accordance with proper archaeological practice.

Failure of parties to reach an agreed course of action in this manner will be classed as a Dispute under this agreement – the contingency plan in the approved CHMP regarding dispute resolution must be followed.

Work may recommence within the area of exclusion:

- When the appropriate protective measures have been taken;
- Where the relevant Aboriginal cultural heritage records have been updated and/or completed;
- Where all parties agree there is no other prudent or feasible course of action; or
- Once any relevant dispute has been resolved.

Where relevant ACCIONA and the RAP representative will ensure that the above steps are followed and that legal obligations and requirements are complied with at all times.

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Contingency for the Removal, Curation and Custody of Aboriginal Cultural Heritage (Artefacts)

Should any Aboriginal cultural heritage be discovered during the proposed activity, the custody of Aboriginal cultural heritage should comply with the requirements of the *Aboriginal Heritage Act 2006* and be assigned in the following order of priority (as appropriate):

- The RAP for the land from which the Aboriginal cultural heritage has been salvaged;
- Any relevant registered native title holder for the land from which the Aboriginal cultural heritage has been salvaged;
- Any relevant native title party (as defined in the Aboriginal Heritage Act 2006) for the land from which the Aboriginal cultural heritage has been salvaged;
- Any relevant Aboriginal person or persons with traditional or familial links with the land from which the Aboriginal cultural heritage has been salvaged;
- Any relevant Aboriginal body or organisation which has historical or contemporary interests in Aboriginal heritage relating to the land from which the Aboriginal cultural heritage has been salvaged;
- The owner of the land from which the Aboriginal cultural heritage has been salvaged;
- The Museum of Victoria.

Should, in the course of community consultation, it be determined that any of the above people or groups (except the Museum of Victoria) wish to rebury the Aboriginal cultural heritage then the following must occur:

The relevant site record card must be updated and a 'collection' component form must be completed.

The reburial location should be known, relocatable, and in an area which is protected from future development or disturbance.

Artefacts to be reburied should be placed in a durable container with reference to provenance and with the catalogue and assessment documentation.

It should be noted that any Heritage Advisor engaged to investigate any Aboriginal cultural heritage has the right to retain custody of Aboriginal cultural heritage for a period of up to one year for analysis.

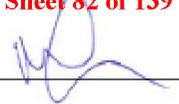
Discovery of Human Remains Contingency Plan

If any suspected human remains are found during any activity, works must cease immediately. The Victoria Police and the State Coroner's Office must be notified immediately following any such discovery. If there are reasonable grounds to believe that the remains are Aboriginal, the Coronial Admissions and Enquiries hotline must be immediately notified on 1300 888 544.

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This advice has been developed further and is described in the following 5 step contingency plan. Any such discovery at the activity area must follow these steps.

1. Discovery:

- If suspected human remains are discovered all activity in the vicinity must stop to ensure minimal damage is caused to the remains; and
- The remains must be left in place, and protected from harm or damage.

2. Notification:

- Once suspected human skeletal remain have been found, the Coroner's Office and the Victoria Police must be notified immediately;
- If there is reasonable grounds to believe the remains are Aboriginal Ancestral Remains, the Coronial Admissions and Enquiries hotline must be immediately notified on 1300 888 544
- All details of the location and nature of the human remains must be provided to the relevant authorities.
- If it is confirmed by these authorities that the discovered remains are Aboriginal skeletal remains, the person responsible for the activity must report the existence of the human remains to the Victorian Aboriginal Heritage Council in accordance with Section 17 of the *Aboriginal Heritage Act 2006*.

3. Impact Mitigation or Salvage:

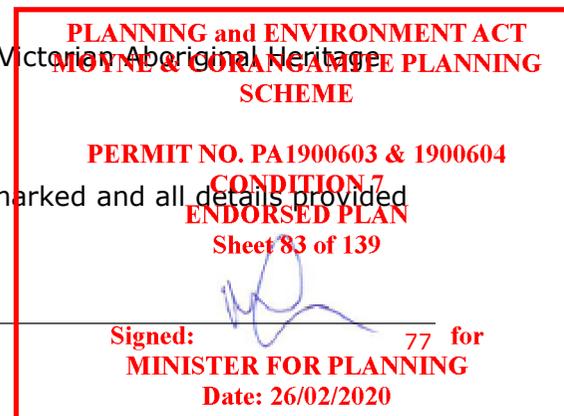
- The Victorian Aboriginal Heritage Council, after taking reasonable steps to consult with any Aboriginal person or body with an interest in the Aboriginal human remains will determine the appropriate course of action as required by s.18(2)(b) of the *Aboriginal Heritage Act 2006*.
- An appropriate impact mitigation or salvage strategy as determined by the Victorian Aboriginal Heritage Council must be implemented (this will depend on the circumstances in which the remains were found, the number of burials found and the type of burials and the outcome of consultation with any Aboriginal person or body);

4. Curation and Further Analysis:

- The treatment of salvaged Aboriginal human remains must be in accordance with the direction of the Victorian Aboriginal Heritage Council.

5. Reburial:

- Any reburial site(s) must be fully documented by an experienced and qualified archaeologist, clearly marked and all details provided to AV;

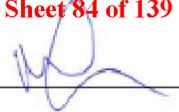


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- Appropriate management measures must be implemented to ensure that the remains are not disturbed in the future.

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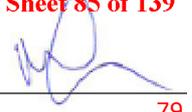
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PART C OPERATIONAL ENVIRONMENTAL MANAGEMENT PLANS

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C1. Sediment, Erosion and Water Quality Management Plan

Introduction

One of the advantages of an underground power line, compared with an overhead power line, is that it is located in a secure environment that results in less physical wear and tear and therefore less ongoing maintenance. Maintenance requirements are typically limited to annual inspections of the joint pits, which are accessible without excavation. Partial excavation may be required in particular circumstances.

During the operation phase some limited maintenance may be required including, maintenance of access tracks, landscaping, drainage works and should a fault impact part of a cable outside of the joint pits, underground cabling may require excavation and trenching may be required. It is noted that this is highly unlikely potential impacts include erosion by stormwater runoff causing scouring of land, loss of topsoil and increased sediment deposition in the onsite drainage systems and natural waterways.

Objectives

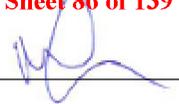
- Minimise soil erosion and sediment-laden runoff from disturbed areas.
- Maintain existing surface water quality during operation.

Measurable Targets

- No discharge of significantly sediment-laden runoff from site.
- No significant erosion associated within operational activities.

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Environmental Management Measures

Table C1-1 Sediment, Erosion and Water Quality Management Plan Environmental Management Measures

Aspect	Environmental Management Measures	Responsibility
Operation	EMM-116 Remove silt fences, installed during construction, that are no longer required to ensure that they do not obstruct natural flow paths.	Facilities Manager
	EMM-117 Install drainage systems, erosion and sediment control devices prior to the commencement any maintenance or remedial site works that involve significant ground disturbance works.	
	EMM-118 Divert external water around any areas to be significantly disturbed using drainage structures such as catch drains and bunds.	
	EMM-119 Maintain a minimum distance of 30m between stockpiles and designated waterways.	
	EMM-120 Ensure stockpiles are designed with slopes no greater than 2:1 (horizontal/vertical).	
	EMM-121 Cover stockpiles with geo-fabric material or seed with sterile grasses if stockpiles are to remain on site for an excessive period (longer than 6 months).	
	EMM-122 Water stockpiles to suppress dust.	
	EMM-123 Rehabilitate disturbed areas progressively and as soon as practicable following completion of work in each area. At a minimum rehabilitation will commence no later than 1 month after project completion.	
EMM-124 Remediate localised erosion on site and implement control measures including (but not limited to) reinstating ground cover (re- seeding), modifying the path of water runoff and exclude livestock from the area until the area is remediated.		

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C2. Flora and Fauna Management Plan

Introduction

The transmission cable alignment site lies on predominately flat land which has been cleared for agricultural development. There are isolated patches of remnant native vegetation and scattered trees. Native vegetation within the proposed disturbance footprint for the wind farm site is limited to small areas.

Remnant vegetation on the transmission alignment is representative of two EVCs: Plains Grassland and Plains Grassy Woodland. A total of eight (8) scattered Small Trees were recorded within, or immediately adjacent to the study area. These trees would once have been part of the Plains Grassy Woodland EVC, however the understorey vegetation consists of predominantly introduced species (mainly exotic pasture grasses) and the trees no longer form a patch of native vegetation.

A small number of wetlands, farm dams occur on and in the vicinity of the site. The site was found not to support any significant habitat for rare or threatened flora.

Flora and fauna at the MSWF transmission cable alignment consists of the following:

- The site is dominated by introduced pasture species and has been subject to intensive agricultural modification and production for the past 50 years.
- The lack of suitable habitat for other native fauna on the site makes it unlikely that any other nationally or state listed or threatened species of fauna would occur on the site.
- Marginal habitat for the nationally significant Growling Grass Frog *Litoria raniformis* is potentially present in private land adjacent to the construction corridor. However, the action will not result in a direct or indirect impact to the habitat.

Objective

- To avoid impacting native vegetation during operations.
- To avoid or minimise potential adverse impact to fauna during operations.

Measurable Target

- No significant disturbance of native vegetation.

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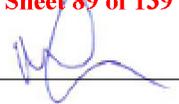
Environmental Management Measures

Table C3-1 Flora and Fauna Management Plan Environmental Management Measures

Aspect	Environmental Management Measure	Responsibility
Operations	<p>EMM-125 Ensure all vehicles remain on public roads and established access tracks where present to ensure native vegetation is not impacted and to limit the spread of pest plants.</p> <p>EMM-126 Ensure no native vegetation outside the construction corridor is removed without a planning permit, unless an exemption within the MSP or CSP applies.</p> <p>EMM-127 In the event that injured fauna is identified, a suitably qualified wildlife handler or zoologist is to be engaged to capture and appropriately manage the native fauna. The wildlife handler or zoologist will be required to hold an appropriate license or authorisation under the <i>Wildlife Act 1975</i>.</p> <p>EMM-128 In the event that a Growling Grass Frog is identified during any maintenance activities, the following protocol will be enacted:</p> <ul style="list-style-type: none"> - Works will be temporarily halted within 30 metres of the identified siting; - The wildlife handler who holds an appropriate authorisation under the Wildlife Act 1975 will be contacted. - The Flora and Fauna assessment located one dam which provides suitable habitat for the Growling Grass Frog in the immediate vicinity of the project area. The northern boundary of the dam is located 6 metres from the construction zone and will not be directly impacted by the construction activities. The southern boundary of the dam is located 60 metres from the construction zone. The most suitable location for relocation will therefore be on the southern end of the dam. - Frogs will be relocated and released into favourable micro-habitats such as areas containing rocks or dense vegetation around the southern perimeter of the dam. - Relocation will consider the potential spread of diseases (chytrid fungus), with any sick specimen kept to determine if it infected by the wildlife handler. 	Facilities Manager
	<p>EMM-129 - Works will only recommence once the specimen has been relocated.</p>	

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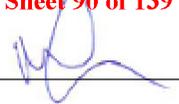
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Part C: Operational Environmental Management Plan

Aspect	Environmental Management Measure	Responsibility
	EMM-130 If trenching is required due to maintenance activities, undertake routine inspections of any open trenches to ensure no fauna becomes trapped.	Manager, Environment and Planning / External Consultant

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C3. Pest Animal Management Plan

Introduction

This Pest Animal Management Plan aims to ensure that the construction of the MSWF transmission line does not lead to an increase in declared pest animals under the *Catchment and Land Protection Act 1994*, including Common Rat (rat), European Rabbit (rabbit) and Red Fox (fox) populations on the site.

This plan focuses on ensuring that there is no increase in habitat or food supplies for rabbits during operation of the transmission line. It responds to potential risks arising from the creation of additional harbour and warren opportunities for rabbits.

Objectives

- The operation of the transmission line does not lead to an increase in numbers of pest animal species, namely fox and rabbit, on the site.
- To implement a post-construction monitoring program of fox and rabbit, in areas affected by development of the wind farm.

Measurable Targets

- No increase in the presence (i.e. incidental sightings) of pest animal's onsite.

Environmental Management Measures

Table C5-1 Pest Animal Management Plan Environmental Management Measure

Aspect	Environmental Management Measures	Responsibility
Pest Animal Control	EMM-131 Any pest animals trapped by operational activities or that otherwise come into the possession of construction and/or operational personal must be humanely destroyed by suitably qualified personnel in accordance with referenced guidelines.	Facilities Manager
Rabbits	EMM-132 Control all rabbit burrows that become established in areas disturbed by the wind farm transmission line through warren ripping using the measures prescribed in Regulation 8 of the <i>Catchment and Land Protection Regulations 2012</i> .	Facilities Manager

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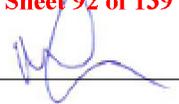
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Part C: Operational Environmental Management Plan

Aspect	Environmental Management Measures	Responsibility
Rats	EMM-133 Materials stored during operations must be placed in a manner that does not create piles that form harbour for rats.	Facilities Manager
Foxes	EMM-134 All food scraps to be disposed in bins provided. EMM-135 If fox dens become established in areas disturbed by the wind farm transmission line, fumigation and infilling will be implemented, together with the removal of any harbour nearby.	Facilities Manager

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C4. Pest Plant Management Plan

Introduction

Pest plant species are found over within the transmission cable alignment, especially in already disturbed areas and away from remnant native vegetation patches. Operation activities may provide an opportunity for the spread of existing weeds and plant pathogens, and the introduction of weeds and pathogens to areas that were previously free of these species.

Declared noxious weed species have been previously identified on the site during environmental surveys and are to be controlled in areas disturbed by the construction of the transmission line:

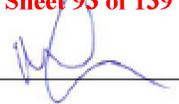
- Gorse (*Ulex europaeus*) – Regionally Controlled
- Spear Thistle (*Cirsium vulgare*) – Restricted
- Variegated Thistle (*Silybum marianum*) – Restricted
- African Box Thorn (*Lycium ferocissimum* Miers) – Regionally Controlled
- Sweet Briar (*Rosa rubiginosa*)
- Blackberry (*Rubus fruticosus*) – Regionally Controlled
- Willow (*Salix* spp)
- Golden Thistle (*Scolymus hispanicus*) – Regionally Controlled
- Serrated Tussock (*Nassella trichotoma*) – Regionally Prohibited
- Hawthorn (*Crataegus monogyna*) – Declared Noxious Weed

Objectives

- To ensure that weeds are not spread during maintenance activities and to control weeds growing beside wind farm infrastructure.
- Minimise the potential for new pest plants or pathogens to be introduced to the site.

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Measurable target

- No significant increases in the extent of pest plants present onsite.

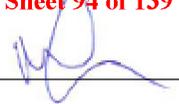
Environmental Management Measures

Table C6-1 Pest Plant Management Plan Environmental Management Measures

Aspect	Environmental Management Measure	Responsibility
Operation	EMM-136 Monitor and control listed weeds in areas disturbed by the construction of the transmission line.	Facilities Manager
Control Measures	EMM-137 Adopt precision weed control methods outlined in Regulation 7 of the <i>Catchment of Land Protection Regulations 2012</i> . This shall include spot-spraying in accordance with the product label and directions for use, of an herbicide product that is registered by the Australian Pesticides and Veterinary Medicines Authority. The label of the herbicide must allow for the control of the relevant weed species.	Facilities Manager
	EMM-138 If herbicide is delivered through a hand held appliance, a compatible marker dye must be incorporated into the herbicide.	

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C5. Cultural Heritage Management Plan

Introduction

A CHMP was approved by Aboriginal Victoria (AV) in August 2019. Compliance with an approved CHMP is a legislative requirement pursuant to Section 67A of the *Aboriginal Heritage Act 2006* (Vic).

Objectives

- No impacts on Aboriginal cultural heritage.

Measurable Target

- No damage to Aboriginal cultural heritage.

Environmental Management Measures

Table C7-1 Cultural Heritage Management Plan Environmental Management Measures

Aspect	Environmental Management Measure	Responsibility
Operations	EMM-139 Ensure all vehicles remain on designated areas and access tracks to avoid impacting any Aboriginal cultural heritage outside of the development footprint.	HSE Supervisor
	EMM-140 All maintenance works requiring ground disturbance are to be within the activity area approved under the CHMP.	
	EMM-141 Existing cultural material specified in the CHMP to be avoided will have temporary protection fencing and signage installed prior to any construction works.	

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C6. Decommissioning and Rehabilitation Management Plan

Introduction

The transmission line will be operatable during the life of the MSWF. When energy production ceases at the site, the entire site (including the transmission line if unused) will be decommissioned and rehabilitated.

Objectives

- To minimise environmental impacts and rehabilitate the site at the end of the decommissioning phase.
- To ensure that all Planning Permit Conditions are met during the decommissioning of the site.

Measurable Targets

- Site has been rehabilitated at the end of the decommissioning phase.

Environmental Management Measures

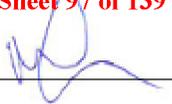
Table C8-1 Decommissioning and Rehabilitation Management Plan Environmental Management Measures

Aspect	Environmental Management Measure	Responsibility
Decommissioning and Rehabilitation	EMM-142 Following construction and commissioning, the site will be restored by removal of contractor’s facilities and any wastes or surplus materials, removal and restoration of any temporary construction areas and ongoing maintenance of any land stabilisation until adequate ground cover is established.	Facilities Manager
	EMM-143 The final condition of the site will be reviewed in consultation with the landowners to ensure that these restoration works have been undertaken to the agreed standard.	<p style="text-align: center;">PLANNING and ENVIRONMENT ACT MOYNE & CORANGAMITE PLANNING SCHEME</p> <p style="text-align: center;">PERMIT NO. PA1900603 & 1900604 CONDITION 7 ENDORSED PLAN Sheet 96 of 139</p> <p style="text-align: center;"> Signed: _____ for MINISTER FOR PLANNING Date: 26/02/2020</p>
	EMM-144 Within 12 months of notification to decommission the wind farm and transmission line, undertake the following:	

Aspect	Environmental Management Measure	Responsibility
	<ul style="list-style-type: none"> Remove all non-operational equipment. Remove and clean up any residual spills or contamination. Rehabilitate all storage, construction, access tracks and other areas affected by the project decommissioning, if not required for the ongoing management of the land. 	

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Appendix A Construction Environmental Monitoring Program

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Weekly Monitoring Checklist

Aspect	Tasks	Monitoring Frequency	Reporting mechanism	Responsibility
Waste Management	Inspect litter bin and recycling facilities to ensure that emptying frequency is meeting demand and appropriate segregation is being undertaken.	Weekly	Weekly Environmental Checklist	HSE Supervisor
	Visually inspect site for litter generation issues.	Weekly	Weekly Environmental Checklist	HSE Supervisor
Air Quality and Dust	Check plant and equipment are fitted with appropriate noise abatement devices (e.g. mufflers) and equipment and noise abatement devices are maintained in good working order.	Weekly	Weekly Environmental Checklist	HSE Supervisor
	Observe if any dust is being generated over the site or adjacent to public roads (from sources such as cleared areas or stockpiles).	Weekly	Weekly Environmental Checklist	HSE Supervisor
	Visually inspect public roads for excess dirt/mud on sealed roads.	Weekly	Weekly Environmental Checklist	HSE Supervisor
Transport and Haulage Management	Ensure bulk materials transported to and from site are using haulage routes established in the TMP.	Weekly	Weekly Environmental Checklist	HSE Supervisor
Sediment, Erosion and Water	Inspection of sediment control devices.	Weekly	Weekly Environmental Checklist	HSE Supervisor
	Surveillance for localised erosion on site.	Weekly	Weekly Environmental Checklist	HSE Supervisor
Hydrocarbon and Hazardous Materials	Ensure that hazardous substances on site are listed on the Hazardous Substances Register.	Weekly	Weekly Environmental Checklist	HSE Supervisor

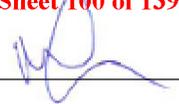
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Aspect	Tasks	Monitoring Frequency	Reporting mechanism	Responsibility
	Ensure chemical storage areas are provided if required during construction.	Weekly	Weekly Environmental Checklist	HSE Supervisor
	Inspect storage facilities and bunding to check for tidiness, structural integrity and possible undetected leaks or spills.	Weekly After each significant rainfall event	Weekly Environmental Checklist	HSE Supervisor
	Inspect that spill kits are available and stocked appropriately if required.	Weekly	Weekly Environmental Checklist	HSE Supervisor
Flora and Fauna	Regular inspections to ensure all areas of native vegetation within 30 metres of disturbance areas are suitably protected and have not been damaged, including the potential Growling Grass Frog along Riley Road.	Prior to works commencing in that area. Then weekly checks thereafter.	Weekly Environmental Checklist	HSE Supervisor
	Regularly inspect site to ensure stockpiles are not impacting native vegetation.	Weekly	Weekly Environmental Checklist	HSE Supervisor
	Regularly inspect any protective fencing and signage.	Weekly	Weekly Environmental Checklist	HSE Supervisor
Pest Animal	Visual inspections of construction sites and disturbed areas for pest animal harbour, open and active entrances, including live rats, rabbits and foxes.	Weekly	Weekly Environmental Checklist	HSE Supervisor
Pest Plant	Visual inspections of construction sites and disturbed areas for any weed growth including noxious species.	Weekly	Weekly Environmental Checklist	HSE Supervisor
Aboriginal Cultural Heritage	Ensure construction works do not extend outside the area assessed under the Cultural Heritage Management Plan (CHMP).	Prior to works commencing in that area. Then weekly checks thereafter.	Weekly Environmental Checklist	HSE Supervisor

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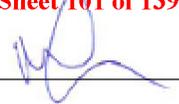

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Appendices

Aspect	Tasks	Monitoring Frequency	Reporting mechanism	Responsibility
	<p>Ensure temporary fencing and signage is installed and operable at the locations specified in the CHMP including:</p> <p>VAHR 7421-0239 Pejark Marsh LDAD 2</p> <p>VAHR 7421-0241 Pejark Marsh LDAD</p> <p>VAHR 7421-0242 Pejark Marsh Historical Finds</p> <p>Ensure the No-Go area along Littles Lane is observed until salvage operations have been completed (ref: VAHR 7421-0240).</p> <p>Ensure excavation/boring depth does not exceed 3.2 metres below the natural ground level under Terang-Mortlake Road to avoid the nontronite sulphuric yellow clay layer (ref: VAHR 7421-0004).</p>	<p>Prior to works commencing. Then weekly checks thereafter.</p>	<p>Weekly Environmental Checklist</p>	<p>HSE Supervisor</p>

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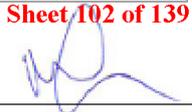
Appendix B Implementation Timetable

Table APPB-1 provides a timetable for the establishment of Environmental Mitigation Measures contained within Plans B1 to B7. Responsibilities for these actions are held identified in the relevant environmental management measure.

Table APPB-1 Construction EMP Implementation Timetable

Estimated Timing	Related EMM(s)	Action
Feb 2020	-	Ensure relevant environmental documentation is available on-site (ie. planning permit, this EMP)
Feb 2020	EMM-18	Haulage Routes (for bulk construction materials i.e. thermal sand and removal of spoil) are to be established in the project TMP. The TMP is to outline a program of monitoring of local and arterial roads and provide an action plan for any identified damage due as a result of construction traffic.
Feb 2020	EMM-19	A working in a road reserve permit will be obtained from the Relevant Road Authority prior to construction works within a road reserve. The permit will outline applicable mitigation measures for traffic management, in addition to the environmental management measures outlined B2 Sediment, Erosion and Water Quality Management Plan and B4 Flora and Fauna Management Plan to protect roadside flora and fauna.
Feb 2020 (Ongoing for all new personnel)	Section 6.3 EMM-61	Relevant site personnel accessing the transmission line site are to be inducted on this Flora and Fauna Management Plan before entering the site. This includes the identification of the Growling Grass Frog habitat along Riley Road.
Feb 2019	EMM-56	For native vegetation that is to be removed as shown in the development plans, offsets will be secured prior to the commencement of construction in accordance with the Planning Permit.
Feb & Mar 2020	EMM-57	Protect all native vegetation to be retained within the defined construction corridor with highly visibility fencing (e.g. safety mesh). A suitably qualified surveyor will set out the location of vegetation to be retained using pegs to ensure the location of protection fencing can be verified and audited. Establish drift fencing along the potential area of growling grass frog habitat along Riley Road.

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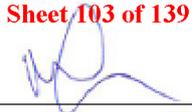
Estimated Timing	Related EMM(s)	Action
Feb 2020	EMM-58	Where native vegetation is present that is to be retained, protective fencing will be erected to prevent any accidental damage from occurring. This includes establishing Tree Protection Zones (TPZs) for large trees to be retained. A suitably qualified surveyor will set out the location of vegetation to be retained using pegs to ensure the location of protection fencing can be verified and audited.
Feb 2020	EMM-59	Establish drift fencing along the potential area of growling grass frog habitat along Riley Road.
Dec 2019 (Complete)	EMM-107	Ensure salvage of cultural artefacts is completed prior to construction activities in accordance with Condition 2 of the CHMP (refer to Figure B8-1).
Feb 2020	EMM-108	Ensure temporary fencing is erected prior to construction at to protect cultural artefacts at VAHR 7421-0239 Pejark Marsh LDAD 2 and VAHR 7421-0241 Pejark Marsh LDAD (refer to Figure B8-1).

Table APPB-2 provides a timetable for the establishment of Environmental Mitigation Measures contained within Plans C1 to C6. Responsibilities for these actions are held identified in the relevant environmental management measure.

Table APPB-2 Operational EMP Implementation Timetable

Estimated Timing	Related EMM(s)	Action
Jul 2020	EMM-116	Remove silt fences, installed during construction, that are no longer required to ensure that they do not obstruct natural flow paths.
Jul 2020	EMM-123	Rehabilitate disturbed areas progressively and as soon as practicable following completion of work in each area. At a minimum rehabilitation will commence no later than 1 month after project completion.
Jul 2020	EMM-124	Remediate localised erosion on site and implement control measures including (but not limited to) reinstating ground cover (re- seeding), modifying the path of water runoff and exclude livestock from the area until the area is remediated.
Jul 2020	EMM-136	Monitor and control listed weeds in areas disturbed by the construction of the transmission line.

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Appendix C Cable Alignment and Construction Corridor Plans

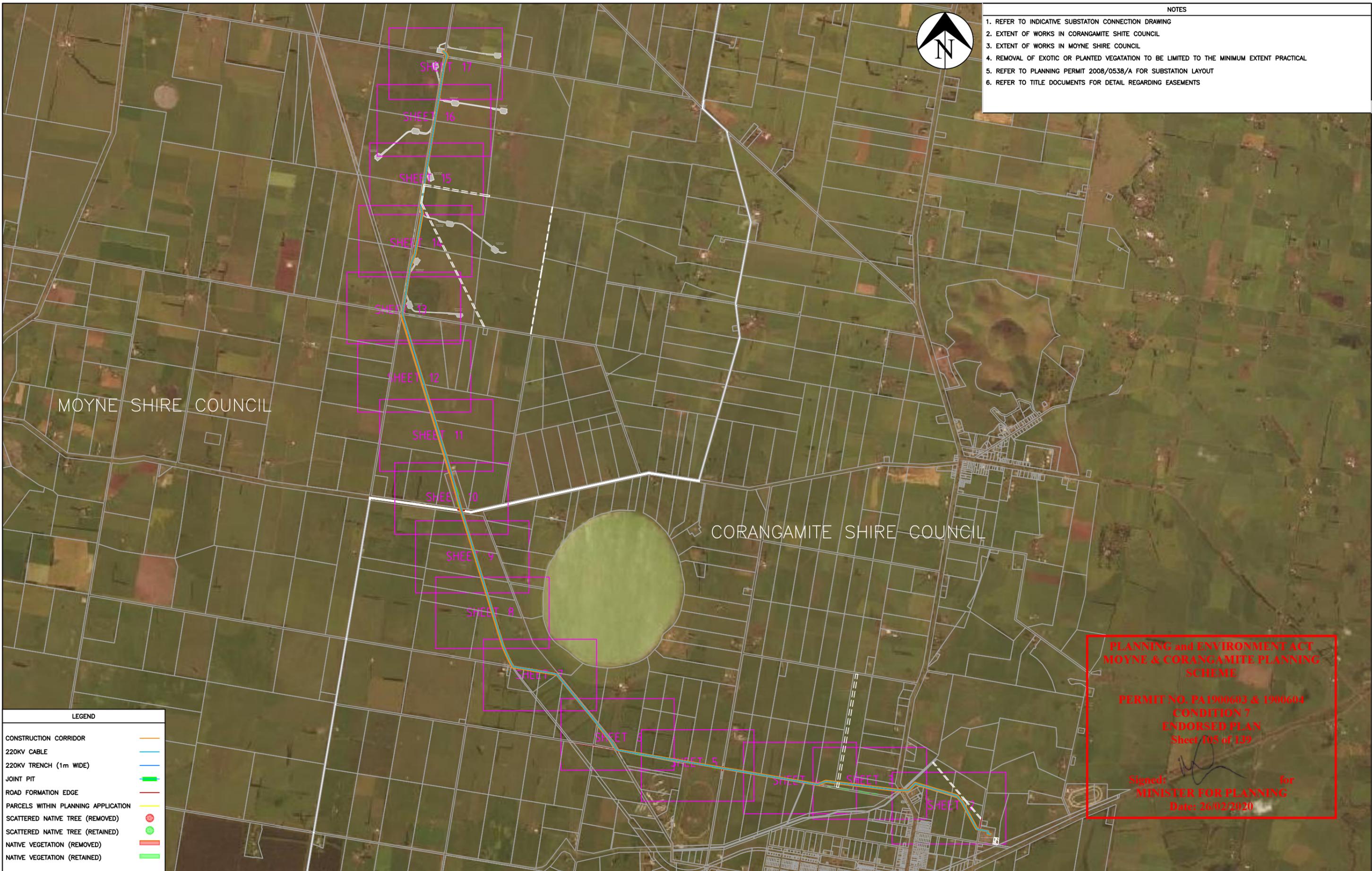
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NOTES

1. REFER TO INDICATIVE SUBSTATION CONNECTION DRAWING
2. EXTENT OF WORKS IN CORANGAMITE SHIRE COUNCIL
3. EXTENT OF WORKS IN MOYNE SHIRE COUNCIL
4. REMOVAL OF EXOTIC OR PLANTED VEGETATION TO BE LIMITED TO THE MINIMUM EXTENT PRACTICAL
5. REFER TO PLANNING PERMIT 2008/0538/A FOR SUBSTATION LAYOUT
6. REFER TO TITLE DOCUMENTS FOR DETAIL REGARDING EASEMENTS



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LEGEND	
CONSTRUCTION CORRIDOR	
220KV CABLE	
220KV TRENCH (1m WIDE)	
JOINT PIT	
ROAD FORMATION EDGE	
PARCELS WITHIN PLANNING APPLICATION	
SCATTERED NATIVE TREE (REMOVED)	
SCATTERED NATIVE TREE (RETAINED)	
NATIVE VEGETATION (REMOVED)	
NATIVE VEGETATION (RETAINED)	

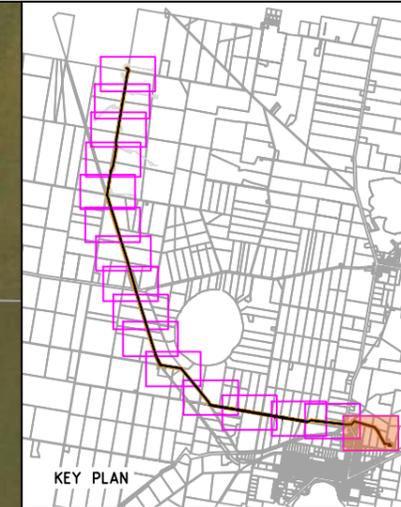
DATE	LAYOUT	REVISION	PURPOSE	DESCRIPTION
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05.06.2019		1	220KV OUTLINE	NOTATIONS INCLUDED
18.07.2019		2	220KV OUTLINE	LOT NO. AND NATIVE VEGETATION ADDED
26.07.2019		3	220KV OUTLINE	EASEMENTS ADDED
01.08.2019		4	220KV OUTLINE	MIN. POWERCOR EASEMENT & TRANSMISSION CORRIDOR SETBACK ADDED



DATUM MGA 94	PROJECT MORTLAKE SOUTH WINDFARM	DESIGNED DC	DRAWN DC	CHECKED GS	VERIFIED BD	APPROVED COG
PROJECTION MGA 94 ZONE 54 GRID	TITLE PROPOSED 220KV CABLE ALIGNMENT AND CONSTRUCTION CORRIDOR	DRAW. NUMBER	REVISION 4	SHEET 1 OF 17	DATE 01.08.2019	PAPER A3
SCALE 1 : 60000	AE CODE	EXTERNAL CODE				

NOTES

1. REFER TO INDICATIVE SUBSTATION CONNECTION DRAWING
2. EXTENT OF WORKS IN CORANGAMITE SHIRE COUNCIL
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4. REMOVAL OF EXOTIC OR PLANTED VEGETATION TO BE LIMITED TO THE MINIMUM EXTENT PRACTICAL
5. REFER TO PLANNING PERMIT 2008/0538/A FOR SUBSTATION LAYOUT
6. REFER TO TITLE DOCUMENTS FOR DETAIL REGARDING EASEMENTS



KEY PLAN

Access Point and Temporary Laydown Area No. 13

Temporary Laydown Area (Red)
10 metres x 30 metres for loading/unloading of equipment, temporary storage of equipment and temporary storage of spoil.

Truck Warning Signs (W5-22) to be placed at the entry to the access point from all public roads.

The temporary laydown area is located wholly within the nominated construction corridor and a minimum distance of 30 metres from all vegetation to be retained and any waterways.

SEE NOTE 1

EXISTING SUBSTATION

Electrical Transmission Easement (AusNet)

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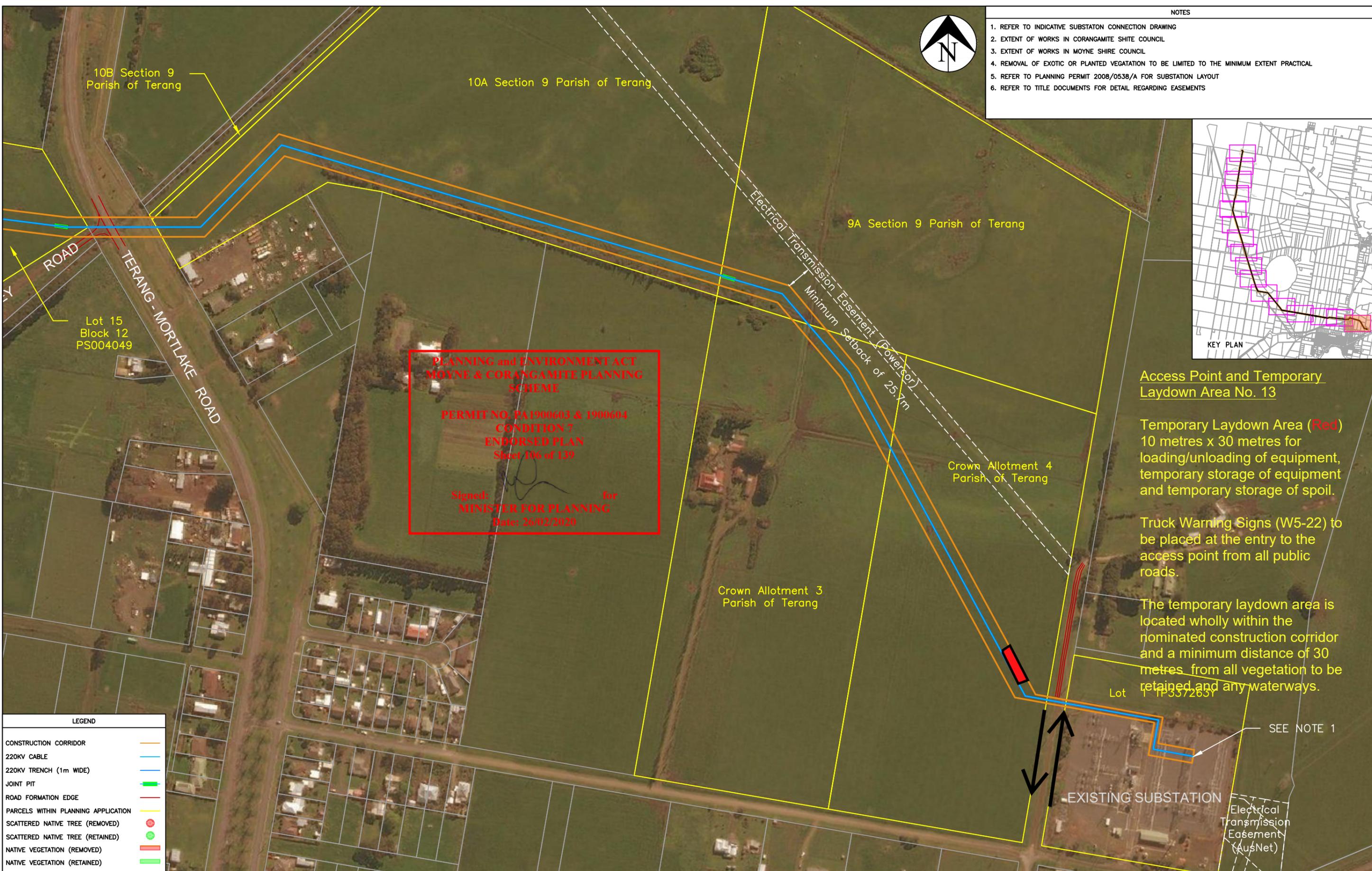
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LEGEND	
CONSTRUCTION CORRIDOR	
220KV CABLE	
220KV TRENCH (1m WIDE)	
JOINT PIT	
ROAD FORMATION EDGE	
PARCELS WITHIN PLANNING APPLICATION	
SCATTERED NATIVE TREE (REMOVED)	
SCATTERED NATIVE TREE (RETAINED)	
NATIVE VEGETATION (REMOVED)	
NATIVE VEGETATION (RETAINED)	

DATE	LAYOUT	REVISION	PURPOSE	DESCRIPTION
16.04.2019		0	220KV OUTLINE	PRELIMINARY DRAWING
05.06.2019		1	220KV OUTLINE	NOTATIONS INCLUDED
18.07.2019		2	220KV OUTLINE	LOT NO. AND NATIVE VEGETATION ADDED
26.07.2019		3	220KV OUTLINE	EASEMENTS ADDED
01.08.2019		4	220KV OUTLINE	MIN. POWERCOR EASEMENT & TRANSMISSION CORRIDOR SETBACK ADDED



DATUM MGA 94	PROJECT MORTLAKE SOUTH WINDFARM	DESIGNED DC	DRAWN DC	CHECKED GS	VERIFIED BD	APPROVED COG
PROJECTION MGA 94 ZONE 54 GRID	TITLE PROPOSED 220KV CABLE ALIGNMENT AND CONSTRUCTION CORRIDOR	DRAW. NUMBER	REVISION 4	SHEET 2 OF 17	DATE 01.08.2019	PAPER A3
SCALE 1 : 5000	AE CODE	EXTERNAL CODE				



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1. REFER TO INDICATIVE SUBSTATION CONNECTION DRAWING
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5. REFER TO PLANNING PERMIT 2008/0538/A FOR SUBSTATION LAYOUT
6. REFER TO TITLE DOCUMENTS FOR DETAIL REGARDING EASEMENTS

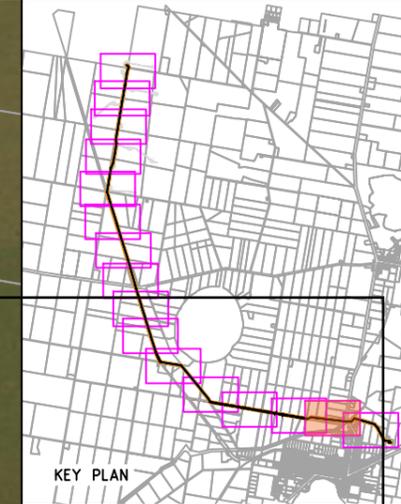


Access Point and Temporary Laydown Area No. 12

Temporary Laydown Area (Red)
10 metres x 30 metres for loading/
unloading of equipment,
temporary storage of equipment
and temporary storage of spoil.

Truck Warning Signs (W5-22) to
be placed at the entry to the
access point from all public roads.

The temporary laydown area is
located wholly within the
nominated construction corridor
and a minimum distance of 30
metres from all vegetation to be
retained and any waterways.



KEY PLAN

Lot 17 Block 12 PS004049

Lot 2 PS415188Q

Lot 15 Block 12 PS004049

10B Section 9
Parish of Terang

10A Section 9
Parish of Terang

RILEY ROAD

RILEY ROAD

TERANG - MORTLAKE ROAD

**PLANNING and ENVIRONMENT ACT
MOYNE & CORANGAMITE PLANNING
SCHEME**

**PERMIT NO. PA1900603 & 1900604
CONDITION 7
ENDORSED PLAN
Sheet 307 of 139**

Signed: _____ for
MINISTER FOR PLANNING
Date: 26/02/2020

LEGEND	
CONSTRUCTION CORRIDOR	
220KV CABLE	
220KV TRENCH (1m WIDE)	
JOINT PIT	
ROAD FORMATION EDGE	
PARCELS WITHIN PLANNING APPLICATION	
SCATTERED NATIVE TREE (REMOVED)	
SCATTERED NATIVE TREE (RETAINED)	
NATIVE VEGETATION (REMOVED)	
NATIVE VEGETATION (RETAINED)	

DATE	LAYOUT	REVISION	PURPOSE	DESCRIPTION
16.04.2019		0	220KV OUTLINE	PRELIMINARY DRAWING
05.06.2019		1	220KV OUTLINE	NOTATIONS INCLUDED
18.07.2019		2	220KV OUTLINE	LOT NO. AND NATIVE VEGETATION ADDED
26.07.2019		3	220KV OUTLINE	EASEMENTS ADDED
01.08.2019		4	220KV OUTLINE	MIN. POWERCOR EASEMENT & TRANSMISSION CORRIDOR SETBACK ADDED



DATUM	PROJECT	DESIGNED	DRAWN	CHECKED	VERIFIED	APPROVED
MGA 94	MORTLAKE SOUTH WINDFARM	DC	DC	GS	BD	COG
PROJECTION	TITLE	DRAW. NUMBER	REVISION	SHEET	DATE	PAPER
MGA 94 ZONE 54 GRID	PROPOSED 220KV CABLE ALIGNMENT AND CONSTRUCTION CORRIDOR		4	3 OF 17	01.08.2019	A3
SCALE	AE CODE	EXTERNAL CODE				
1 : 5000						

NOTES

1. REFER TO INDICATIVE SUBSTATION CONNECTION DRAWING
2. EXTENT OF WORKS IN CORANGAMITE SHIRE COUNCIL
3. EXTENT OF WORKS IN MOYNE SHIRE COUNCIL
4. REMOVAL OF EXOTIC OR PLANTED VEGETATION TO BE LIMITED TO THE MINIMUM EXTENT PRACTICAL
5. REFER TO PLANNING PERMIT 2008/0538/A FOR SUBSTATION LAYOUT
6. REFER TO TITLE DOCUMENTS FOR DETAIL REGARDING EASEMENTS



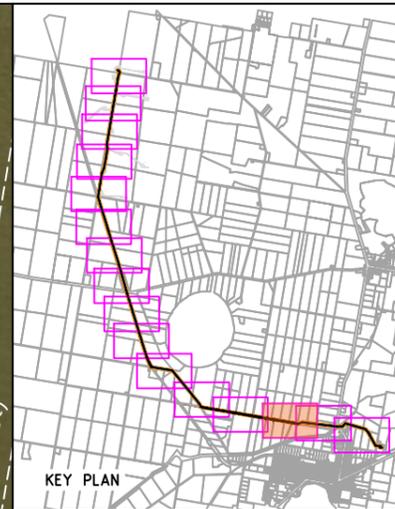
Access Point and Temporary Laydown Area No. 11

Temporary Laydown Area (Red) 10 metres x 30 metres for loading/unloading of equipment, temporary storage of equipment and temporary storage of spoil.

Truck Warning Signs (W5-22) to be placed at the entry to the access point from all public roads.

The temporary laydown area is located wholly within the nominated construction corridor and a minimum distance of 30 metres from all vegetation to be retained and any waterways.

Lot 17 Block 12 PS004049



KEY PLAN

Lot 2 PS415188Q

Lot 15 Block 12 PS004049

RILEY ROAD

Electrical Transmission Easement (AusNet)

PLANNING and ENVIRONMENT ACT
MOYNE & CORANGAMITE PLANNING SCHEME

PERMIT NO. PA1900603 & 1900604
CONDITION 7
ENDORSED PLAN
Sheet 108 of 139

Signed:  for
MINISTER FOR PLANNING
Date: 26/02/2020

LEGEND

- CONSTRUCTION CORRIDOR 
- 220KV CABLE 
- 220KV TRENCH (1m WIDE) 
- JOINT PIT 
- ROAD FORMATION EDGE 
- PARCELS WITHIN PLANNING APPLICATION 
- SCATTERED NATIVE TREE (REMOVED) 
- SCATTERED NATIVE TREE (RETAINED) 
- NATIVE VEGETATION (REMOVED) 
- NATIVE VEGETATION (RETAINED) 

DATE	LAYOUT	REVISION	PURPOSE	DESCRIPTION
16.04.2019		0	220KV OUTLINE	PRELIMINARY DRAWING
05.06.2019		1	220KV OUTLINE	NOTATIONS INCLUDED
18.07.2019		2	220KV OUTLINE	LOT NO. AND NATIVE VEGETATION ADDED
26.07.2019		3	220KV OUTLINE	EASEMENTS ADDED
01.08.2019		4	220KV OUTLINE	MIN. POWERCOR EASEMENT & TRANSMISSION CORRIDOR SETBACK ADDED



DATUM	PROJECT	DESIGNED	DRAWN	CHECKED	VERIFIED	APPROVED
MGA 94	MORTLAKE SOUTH WINDFARM	DC	DC	GS	BD	COG
PROJECTION	TITLE	DRAW. NUMBER	REVISION	SHEET	DATE	PAPER
MGA 94 ZONE 54 GRID	PROPOSED 220KV CABLE ALIGNMENT AND CONSTRUCTION CORRIDOR		4	4 OF 17	01.08.2019	A3
SCALE	AE CODE	EXTERNAL CODE				
1 : 5000						

1. REFER TO INDICATIVE SUBSTATION CONNECTION DRAWING
2. EXTENT OF WORKS IN CORANGAMITE SHIRE COUNCIL
3. EXTENT OF WORKS IN MOYNE SHIRE COUNCIL
4. REMOVAL OF EXOTIC OR PLANTED VEGETATION TO BE LIMITED TO THE MINIMUM EXTENT PRACTICAL
5. REFER TO PLANNING PERMIT 2008/0538/A FOR SUBSTATION LAYOUT
6. REFER TO TITLE DOCUMENTS FOR DETAIL REGARDING EASEMENTS

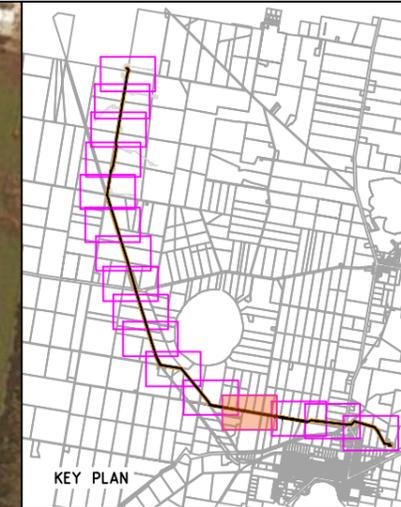


Access Point and Temporary Laydown Area No. 10

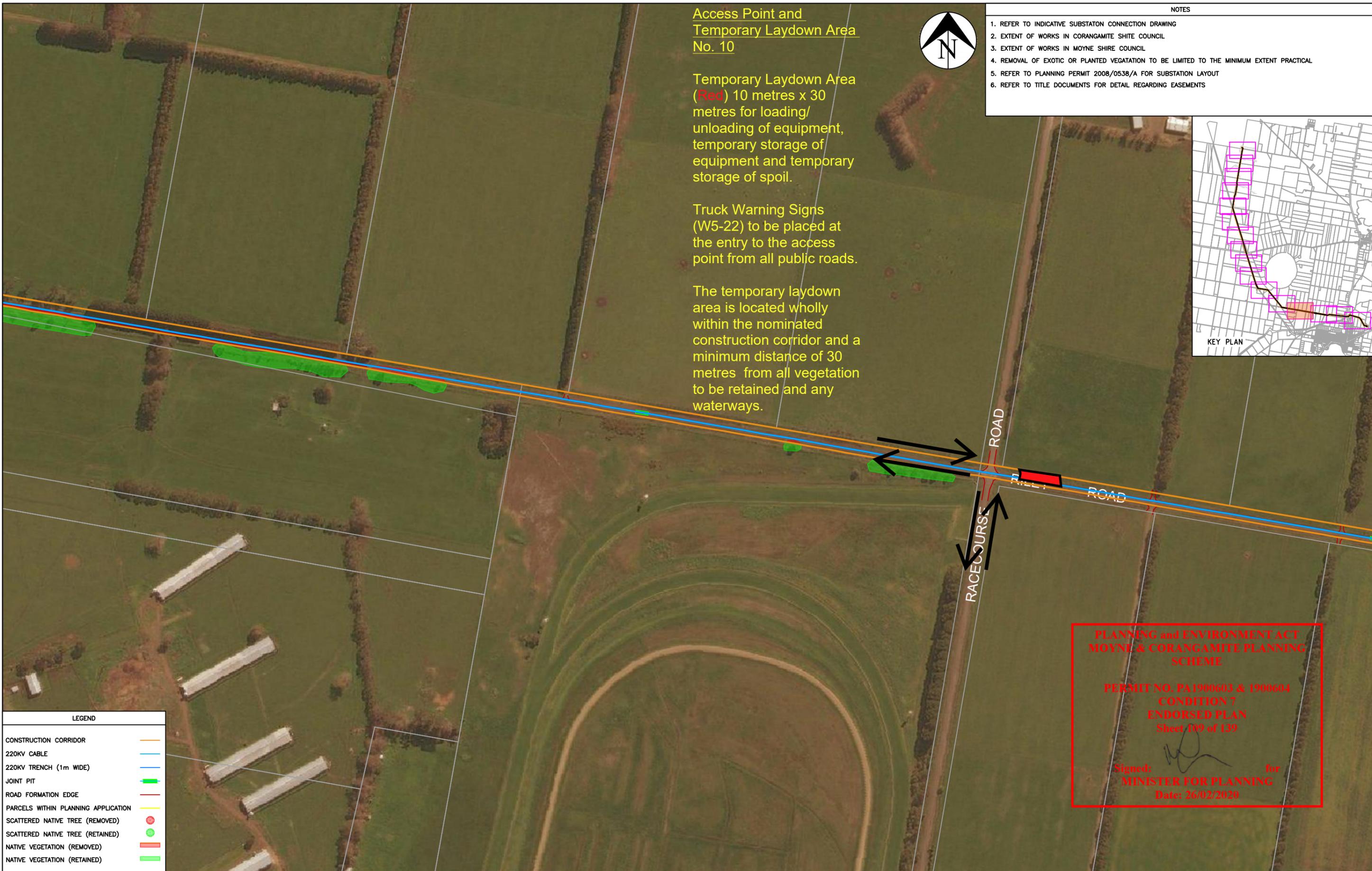
Temporary Laydown Area (Red) 10 metres x 30 metres for loading/unloading of equipment, temporary storage of equipment and temporary storage of spoil.

Truck Warning Signs (W5-22) to be placed at the entry to the access point from all public roads.

The temporary laydown area is located wholly within the nominated construction corridor and a minimum distance of 30 metres from all vegetation to be retained and any waterways.



KEY PLAN



LEGEND	
CONSTRUCTION CORRIDOR	Orange line
220KV CABLE	Blue line
220KV TRENCH (1m WIDE)	Blue line with red outline
JOINT PIT	Green rectangle
ROAD FORMATION EDGE	Red line
PARCELS WITHIN PLANNING APPLICATION	Yellow outline
SCATTERED NATIVE TREE (REMOVED)	Red circle
SCATTERED NATIVE TREE (RETAINED)	Green circle
NATIVE VEGETATION (REMOVED)	Red outline
NATIVE VEGETATION (RETAINED)	Green outline

PLANNING and ENVIRONMENT ACT
MOYNE & CORANGAMITE PLANNING
SCHEME

PERMIT NO. PA1900603 & 1900604
CONDITION 7
ENDORSED PLAN
 Sheet 109 of 139

 Signed:  for
MINISTER FOR PLANNING
 Date: 26/02/2020

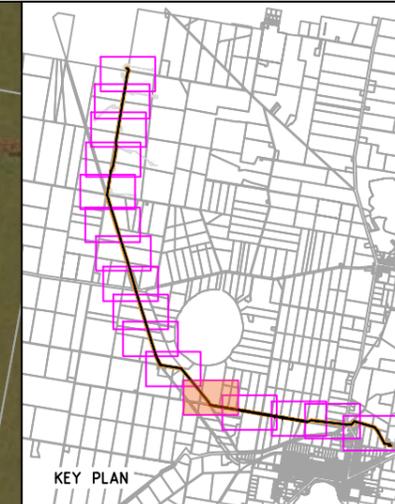
DATE	LAYOUT	REVISION	PURPOSE	DESCRIPTION
16.04.2019		0	220KV OUTLINE	PRELIMINARY DRAWING
05.06.2019		1	220KV OUTLINE	NOTATIONS INCLUDED
18.07.2019		2	220KV OUTLINE	LOT NO. AND NATIVE VEGETATION ADDED
26.07.2019		3	220KV OUTLINE	EASEMENTS ADDED
01.08.2019		4	220KV OUTLINE	MIN. POWERCOR EASEMENT & TRANSMISSION CORRIDOR SETBACK ADDED



DATUM MGA 94	PROJECT MORTLAKE SOUTH WINDFARM	DESIGNED DC	DRAWN DC	CHECKED GS	VERIFIED BD	APPROVED COG
PROJECTION MGA 94 ZONE 54 GRID	TITLE PROPOSED 220KV CABLE ALIGNMENT AND CONSTRUCTION CORRIDOR	DRAW. NUMBER	REVISION 4	SHEET 5 OF 17	DATE 01.08.2019	PAPER A3
SCALE 1 : 5000	AE CODE	EXTERNAL CODE				

NOTES

1. REFER TO INDICATIVE SUBSTATION CONNECTION DRAWING
2. EXTENT OF WORKS IN CORANGAMITE SHIRE COUNCIL
3. EXTENT OF WORKS IN MOYNE SHIRE COUNCIL
4. REMOVAL OF EXOTIC OR PLANTED VEGETATION TO BE LIMITED TO THE MINIMUM EXTENT PRACTICAL
5. REFER TO PLANNING PERMIT 2008/0538/A FOR SUBSTATION LAYOUT
6. REFER TO TITLE DOCUMENTS FOR DETAIL REGARDING EASEMENTS



Access Point and Temporary Laydown Area No. 9

Temporary Laydown Area (Red) 10 metres x 30 metres for loading/unloading of equipment, temporary storage of equipment and temporary storage of spoil.

Truck Warning Signs (W5-22) to be placed at the entry to the access point from all public roads.

The temporary laydown area is located wholly within the nominated construction corridor and a minimum distance of 30 metres from all vegetation to be retained and any waterways.

**PLANNING and ENVIRONMENT ACT
MOYNE & CORANGAMITE PLANNING
SCHEME**

**PERMIT NO. PA1906003 & 1906004
CONDITION 7
ENDORSED PLAN
Sheet 110 of 139**

Signed:  for
MINISTER FOR PLANNING
Date: 26/02/2020

LEGEND	
CONSTRUCTION CORRIDOR	
220KV CABLE	
220KV TRENCH (1m WIDE)	
JOINT PIT	
ROAD FORMATION EDGE	
PARCELS WITHIN PLANNING APPLICATION	
SCATTERED NATIVE TREE (REMOVED)	
SCATTERED NATIVE TREE (RETAINED)	
NATIVE VEGETATION (REMOVED)	
NATIVE VEGETATION (RETAINED)	

DATE	LAYOUT	REVISION	PURPOSE	DESCRIPTION
16.04.2019		0	220KV OUTLINE	PRELIMINARY DRAWING
05.06.2019		1	220KV OUTLINE	NOTATIONS INCLUDED
18.07.2019		2	220KV OUTLINE	LOT NO. AND NATIVE VEGETATION ADDED
26.07.2019		3	220KV OUTLINE	EASEMENTS ADDED
01.08.2019		4	220KV OUTLINE	MIN. POWERCOR EASEMENT & TRANSMISSION CORRIDOR SETBACK ADDED



DATUM MGA 94	PROJECT MORTLAKE SOUTH WINDFARM	DESIGNED DC	DRAWN DC	CHECKED GS	VERIFIED BD	APPROVED COG
PROJECTION MGA 94 ZONE 54 GRID	TITLE PROPOSED 220KV CABLE ALIGNMENT AND CONSTRUCTION CORRIDOR	DRAW. NUMBER	REVISION 4	SHEET 6 OF 17	DATE 01.08.2019	PAPER A3
SCALE 1 : 5000	AE CODE	EXTERNAL CODE				

NOTES

1. REFER TO INDICATIVE SUBSTATION CONNECTION DRAWING
2. EXTENT OF WORKS IN CORANGAMITE SHIRE COUNCIL
3. EXTENT OF WORKS IN MOYNE SHIRE COUNCIL
4. REMOVAL OF EXOTIC OR PLANTED VEGETATION TO BE LIMITED TO THE MINIMUM EXTENT PRACTICAL
5. REFER TO PLANNING PERMIT 2008/0538/A FOR SUBSTATION LAYOUT
6. REFER TO TITLE DOCUMENTS FOR DETAIL REGARDING EASEMENTS



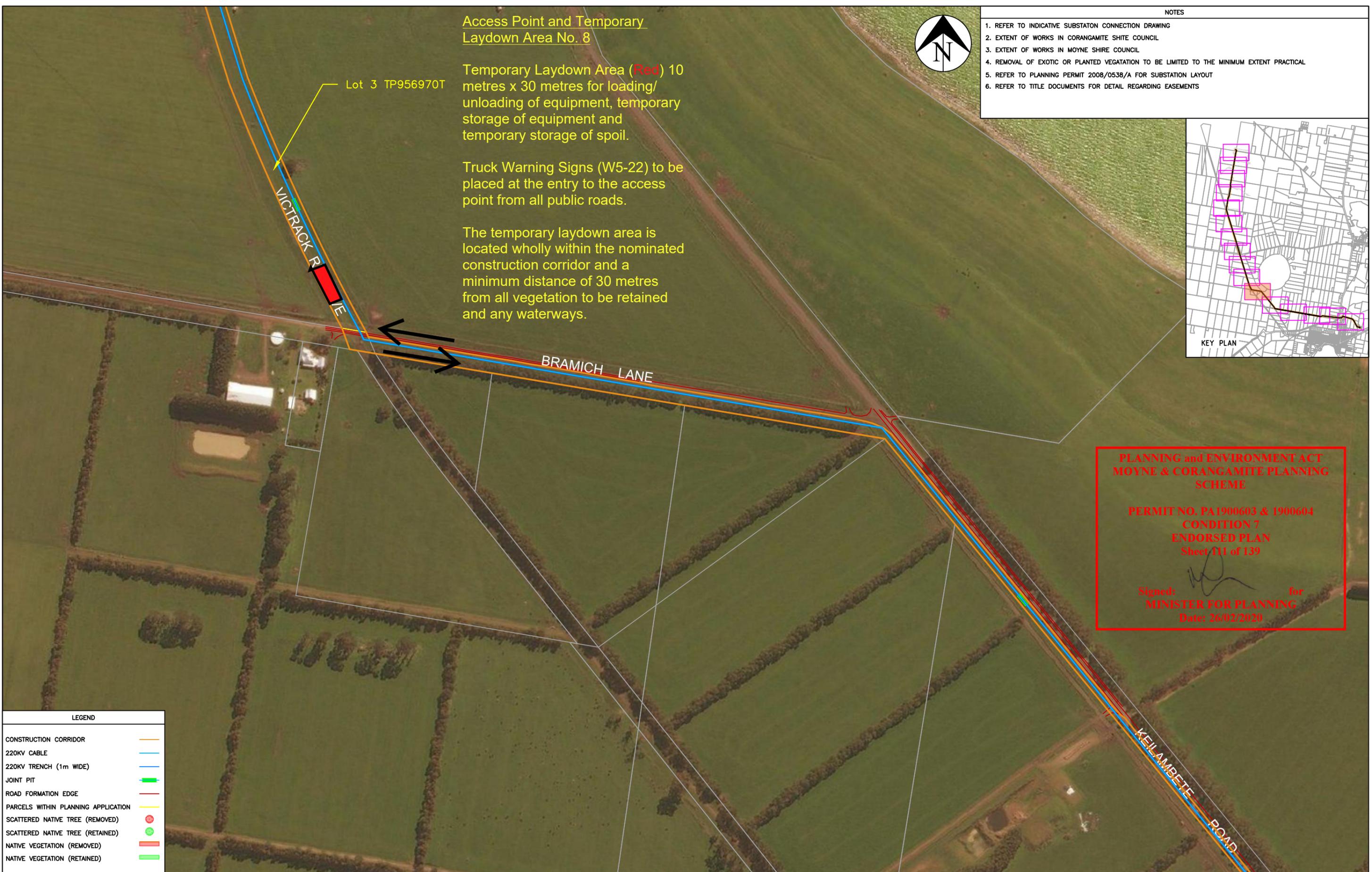
Access Point and Temporary Laydown Area No. 8

Lot 3 TP956970T

Temporary Laydown Area (Red) 10 metres x 30 metres for loading/unloading of equipment, temporary storage of equipment and temporary storage of spoil.

Truck Warning Signs (W5-22) to be placed at the entry to the access point from all public roads.

The temporary laydown area is located wholly within the nominated construction corridor and a minimum distance of 30 metres from all vegetation to be retained and any waterways.



**PLANNING and ENVIRONMENT ACT
MOYNE & CORANGAMITE PLANNING
SCHEME**

**PERMIT NO. PA1900603 & 1900604
CONDITION 7
ENDORSED PLAN
Sheet 111 of 139**

Signed:  for
MINISTER FOR PLANNING
Date: 26/02/2020

LEGEND	
CONSTRUCTION CORRIDOR	
220KV CABLE	
220KV TRENCH (1m WIDE)	
JOINT PIT	
ROAD FORMATION EDGE	
PARCELS WITHIN PLANNING APPLICATION	
SCATTERED NATIVE TREE (REMOVED)	
SCATTERED NATIVE TREE (RETAINED)	
NATIVE VEGETATION (REMOVED)	
NATIVE VEGETATION (RETAINED)	

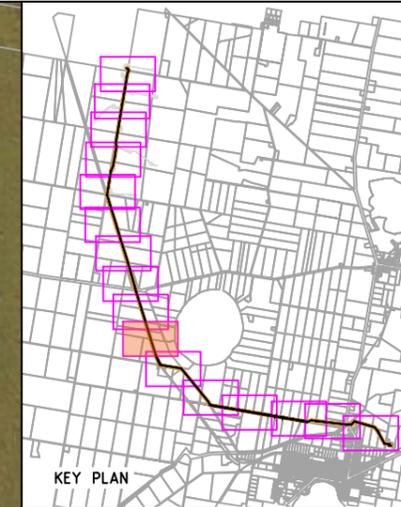
DATE	LAYOUT	REVISION	PURPOSE	DESCRIPTION
16.04.2019		0	220KV OUTLINE	PRELIMINARY DRAWING
05.06.2019		1	220KV OUTLINE	NOTATIONS INCLUDED
18.07.2019		2	220KV OUTLINE	LOT NO. AND NATIVE VEGETATION ADDED
26.07.2019		3	220KV OUTLINE	EASEMENTS ADDED
01.08.2019		4	220KV OUTLINE	MIN. POWERCOR EASEMENT & TRANSMISSION CORRIDOR SETBACK ADDED



DATUM MGA 94	PROJECT MORTLAKE SOUTH WINDFARM	DESIGNED DC	DRAWN DC	CHECKED GS	VERIFIED BD	APPROVED COG
PROJECTION MGA 94 ZONE 54 GRID	TITLE PROPOSED 220KV CABLE ALIGNMENT AND CONSTRUCTION CORRIDOR	DRAW. NUMBER	REVISION 4	SHEET 7 OF 17	DATE 01.08.2019	PAPER A3
SCALE 1 : 5000	AE CODE	EXTERNAL CODE				

NOTES

1. REFER TO INDICATIVE SUBSTATION CONNECTION DRAWING
2. EXTENT OF WORKS IN CORANGAMITE SHIRE COUNCIL
3. EXTENT OF WORKS IN MOYNE SHIRE COUNCIL
4. REMOVAL OF EXOTIC OR PLANTED VEGETATION TO BE LIMITED TO THE MINIMUM EXTENT PRACTICAL
5. REFER TO PLANNING PERMIT 2008/0538/A FOR SUBSTATION LAYOUT
6. REFER TO TITLE DOCUMENTS FOR DETAIL REGARDING EASEMENTS



KEY PLAN

Lot 1 TP956970T

Lot 2 TP956970T

Lot 3 TP956970T

VICTRACK RESERVE

**PLANNING and ENVIRONMENT ACT
MOYNE & CORANGAMITE PLANNING
SCHEME**

**PERMIT NO. PA1900603 & 1900604
CONDITION 7
ENDORSED PLAN
Sheet 112 of 139**

Signed:  for
MINISTER FOR PLANNING
Date: 26/02/2020

LEGEND

- CONSTRUCTION CORRIDOR 
- 220KV CABLE 
- 220KV TRENCH (1m WIDE) 
- JOINT PIT 
- ROAD FORMATION EDGE 
- PARCELS WITHIN PLANNING APPLICATION 
- SCATTERED NATIVE TREE (REMOVED) 
- SCATTERED NATIVE TREE (RETAINED) 
- NATIVE VEGETATION (REMOVED) 
- NATIVE VEGETATION (RETAINED) 

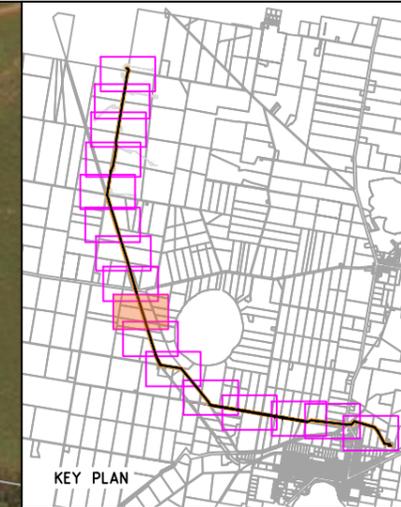
DATE	LAYOUT	REVISION	PURPOSE	DESCRIPTION
16.04.2019		0	220KV OUTLINE	PRELIMINARY DRAWING
05.06.2019		1	220KV OUTLINE	NOTATIONS INCLUDED
18.07.2019		2	220KV OUTLINE	LOT NO. AND NATIVE VEGETATION ADDED
26.07.2019		3	220KV OUTLINE	EASEMENTS ADDED
01.08.2019		4	220KV OUTLINE	MIN. POWERCOR EASEMENT & TRANSMISSION CORRIDOR SETBACK ADDED



DATUM	PROJECT	DESIGNED	DRAWN	CHECKED	VERIFIED	APPROVED
MGA 94	MORTLAKE SOUTH WINDFARM	DC	DC	GS	BD	COG
PROJECTION	TITLE	DRAW. NUMBER	REVISION	SHEET	DATE	PAPER
MGA 94 ZONE 54 GRID	PROPOSED 220KV CABLE ALIGNMENT AND CONSTRUCTION CORRIDOR		4	8 OF 17	01.08.2019	A3
SCALE	AE CODE	EXTERNAL CODE				
1 : 5000						

NOTES

1. REFER TO INDICATIVE SUBSTATION CONNECTION DRAWING
2. EXTENT OF WORKS IN CORANGAMITE SHIRE COUNCIL
3. EXTENT OF WORKS IN MOYNE SHIRE COUNCIL
4. REMOVAL OF EXOTIC OR PLANTED VEGETATION TO BE LIMITED TO THE MINIMUM EXTENT PRACTICAL
5. REFER TO PLANNING PERMIT 2008/0538/A FOR SUBSTATION LAYOUT
6. REFER TO TITLE DOCUMENTS FOR DETAIL REGARDING EASEMENTS



KEY PLAN

RESERVE

Lot 1 TP956973M

VICTRACK RESERVE

Lot 1 TP748121D

Lot 1 TP956970T

PLANNING and ENVIRONMENT ACT
MOYNE & CORANGAMITE PLANNING
SCHEME

PERMIT NO. PA1900603 & 1900604
CONDITION 7
ENDORSED PLAN
 Sheet 113 of 139

Signed: _____ for
MINISTER FOR PLANNING
 Date: 26/02/2020

LEGEND	
CONSTRUCTION CORRIDOR	
220KV CABLE	
220KV TRENCH (1m WIDE)	
JOINT PIT	
ROAD FORMATION EDGE	
PARCELS WITHIN PLANNING APPLICATION	
SCATTERED NATIVE TREE (REMOVED)	
SCATTERED NATIVE TREE (RETAINED)	
NATIVE VEGETATION (REMOVED)	
NATIVE VEGETATION (RETAINED)	

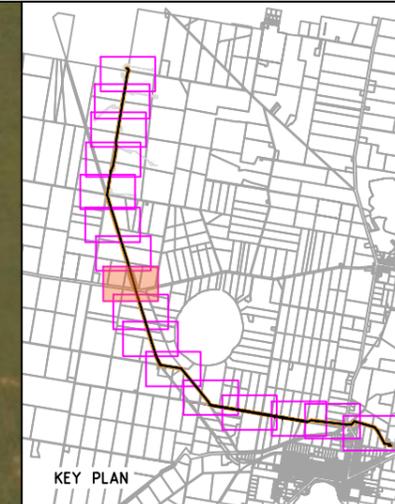
DATE	LAYOUT	REVISION	PURPOSE	DESCRIPTION
16.04.2019		0	220KV OUTLINE	PRELIMINARY DRAWING
05.06.2019		1	220KV OUTLINE	NOTATIONS INCLUDED
18.07.2019		2	220KV OUTLINE	LOT NO. AND NATIVE VEGETATION ADDED
26.07.2019		3	220KV OUTLINE	EASEMENTS ADDED
01.08.2019		4	220KV OUTLINE	MIN. POWERCOR EASEMENT & TRANSMISSION CORRIDOR SETBACK ADDED



DATUM MGA 94	PROJECT MORTLAKE SOUTH WINDFARM	DESIGNED DC	DRAWN DC	CHECKED GS	VERIFIED BD	APPROVED COG
PROJECTION MGA 94 ZONE 54 GRID	TITLE PROPOSED 220KV CABLE ALIGNMENT AND CONSTRUCTION CORRIDOR	DRAW. NUMBER	REVISION 4	SHEET 9 OF 17	DATE 01.08.2019	PAPER A3
SCALE 1 : 5000	AE CODE	EXTERNAL CODE				

NOTES

1. REFER TO INDICATIVE SUBSTATION CONNECTION DRAWING
2. EXTENT OF WORKS IN CORANGAMITE SHIRE COUNCIL
3. EXTENT OF WORKS IN MOYNE SHIRE COUNCIL
4. REMOVAL OF EXOTIC OR PLANTED VEGETATION TO BE LIMITED TO THE MINIMUM EXTENT PRACTICAL
5. REFER TO PLANNING PERMIT 2008/0538/A FOR SUBSTATION LAYOUT
6. REFER TO TITLE DOCUMENTS FOR DETAIL REGARDING EASEMENTS



KEY PLAN

Lot 1 TP446350V

VICTRACK RESERVE

SEE NOTE 3

SISTERS - NOORAT ROAD

Access Point and Temporary Laydown Area No. 7

Temporary Laydown Area (Red) 10 metres x 30 metres for loading/unloading of equipment, temporary storage of equipment and temporary storage of spoil.

Truck Warning Signs (W5-22) to be placed at the entry to the access point from all public roads.

The temporary laydown area is located wholly within the nominated construction corridor and a minimum distance of 30 metres from all vegetation to be retained and any waterways.

SEE NOTE 2

VICTRACK RESERVE

Lot 1 TP956973M

**PLANNING and ENVIRONMENT ACT
MOYNE & CORANGAMITE PLANNING
SCHEME**

**PERMIT NO. PA1900603 & 1900604
CONDITION 7
ENDORSED PLAN
Sheet 114 of 139**

Signed:  for
MINISTER FOR PLANNING
Date: 26/02/2020

LEGEND

CONSTRUCTION CORRIDOR	
220KV CABLE	
220KV TRENCH (1m WIDE)	
JOINT PIT	
ROAD FORMATION EDGE	
PARCELS WITHIN PLANNING APPLICATION	
SCATTERED NATIVE TREE (REMOVED)	
SCATTERED NATIVE TREE (RETAINED)	
NATIVE VEGETATION (REMOVED)	
NATIVE VEGETATION (RETAINED)	

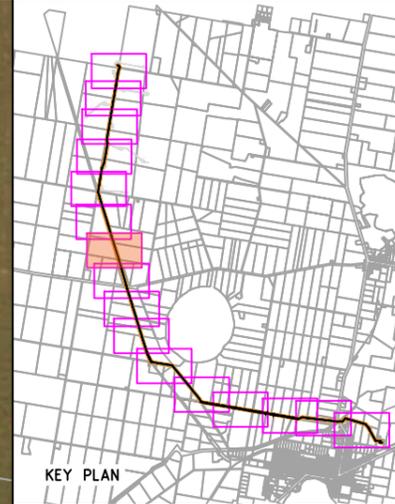
DATE	LAYOUT	REVISION	PURPOSE	DESCRIPTION
16.04.2019		0	220KV OUTLINE	PRELIMINARY DRAWING
05.06.2019		1	220KV OUTLINE	NOTATIONS INCLUDED
18.07.2019		2	220KV OUTLINE	LOT NO. AND NATIVE VEGETATION ADDED
26.07.2019		3	220KV OUTLINE	EASEMENTS ADDED
01.08.2019		4	220KV OUTLINE	MIN. POWERCOR EASEMENT & TRANSMISSION CORRIDOR SETBACK ADDED



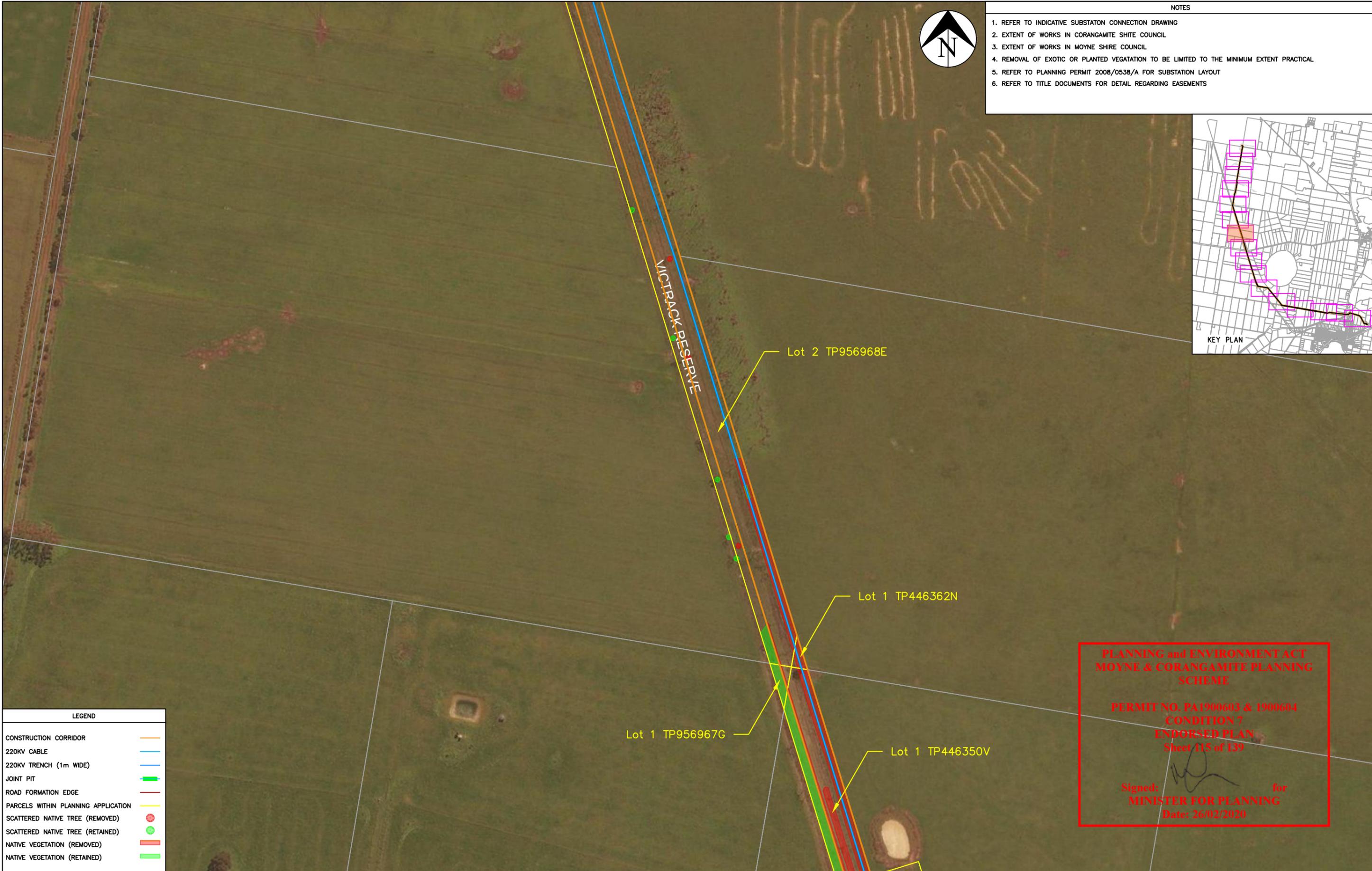
DATUM MGA 94	PROJECT MORTLAKE SOUTH WINDFARM	DESIGNED DC	DRAWN DC	CHECKED GS	VERIFIED BD	APPROVED COG
PROJECTION MGA 94 ZONE 54 GRID	TITLE PROPOSED 220KV CABLE ALIGNMENT AND CONSTRUCTION CORRIDOR	DRAW. NUMBER	REVISION 4	SHEET 10 OF 17	DATE 01.08.2019	PAPER A3
SCALE 1 : 5000	AE CODE	EXTERNAL CODE				

NOTES

1. REFER TO INDICATIVE SUBSTATION CONNECTION DRAWING
2. EXTENT OF WORKS IN CORANGAMITE SHIRE COUNCIL
3. EXTENT OF WORKS IN MOYNE SHIRE COUNCIL
4. REMOVAL OF EXOTIC OR PLANTED VEGETATION TO BE LIMITED TO THE MINIMUM EXTENT PRACTICAL
5. REFER TO PLANNING PERMIT 2008/0538/A FOR SUBSTATION LAYOUT
6. REFER TO TITLE DOCUMENTS FOR DETAIL REGARDING EASEMENTS



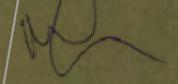
KEY PLAN



LEGEND	
CONSTRUCTION CORRIDOR	Orange line
220KV CABLE	Blue line
220KV TRENCH (1m WIDE)	Blue line with red border
JOINT PIT	Green rectangle
ROAD FORMATION EDGE	Red line
PARCELS WITHIN PLANNING APPLICATION	Yellow outline
SCATTERED NATIVE TREE (REMOVED)	Red circle
SCATTERED NATIVE TREE (RETAINED)	Green circle
NATIVE VEGETATION (REMOVED)	Red rectangle
NATIVE VEGETATION (RETAINED)	Green rectangle

**PLANNING and ENVIRONMENT ACT
MOYNE & CORANGAMITE PLANNING
SCHEME**

**PERMIT NO. PA1900603 & 1900604
CONDITION 7
ENDORSED PLAN
Sheet 115 of 139**

Signed:  for
MINISTER FOR PLANNING
Date: 26/02/2020

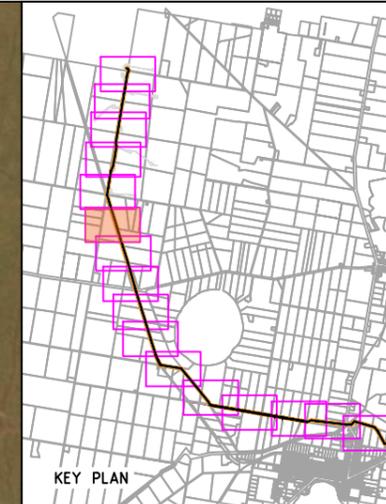
DATE	LAYOUT	REVISION	PURPOSE	DESCRIPTION
16.04.2019		0	220KV OUTLINE	PRELIMINARY DRAWING
05.06.2019		1	220KV OUTLINE	NOTATIONS INCLUDED
18.07.2019		2	220KV OUTLINE	LOT NO. AND NATIVE VEGETATION ADDED
26.07.2019		3	220KV OUTLINE	EASEMENTS ADDED
01.08.2019		4	220KV OUTLINE	MIN. POWERCOR EASEMENT & TRANSMISSION CORRIDOR SETBACK ADDED



DATUM	PROJECT	DESIGNED	DRAWN	CHECKED	VERIFIED	APPROVED
MGA 94	MORTLAKE SOUTH WINDFARM	DC	DC	GS	BD	COG
PROJECTION	TITLE	DRAW. NUMBER	REVISION	SHEET	DATE	PAPER
MGA 94 ZONE 54 GRID	PROPOSED 220KV CABLE ALIGNMENT AND CONSTRUCTION CORRIDOR		4	11 OF 17	01.08.2019	A3
SCALE	AE CODE	EXTERNAL CODE				
1 : 5000						

NOTES

1. REFER TO INDICATIVE SUBSTATION CONNECTION DRAWING
2. EXTENT OF WORKS IN CORANGAMITE SHIRE COUNCIL
3. EXTENT OF WORKS IN MOYNE SHIRE COUNCIL
4. REMOVAL OF EXOTIC OR PLANTED VEGETATION TO BE LIMITED TO THE MINIMUM EXTENT PRACTICAL
5. REFER TO PLANNING PERMIT 2008/0538/A FOR SUBSTATION LAYOUT
6. REFER TO TITLE DOCUMENTS FOR DETAIL REGARDING EASEMENTS



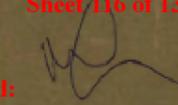
Lot 2 TP446362N

VICTORACK RESERVE

Lot 2 TP956968E

**PLANNING and ENVIRONMENT ACT
MOYNE & CORANGAMITE PLANNING
SCHEME**

**PERMIT NO. PA1900603 & 1900604
CONDITION 7
ENDORSED PLAN
Sheet 116 of 139**

Signed:  for
MINISTER FOR PLANNING
Date: 26/02/2020

LEGEND

CONSTRUCTION CORRIDOR	
220KV CABLE	
220KV TRENCH (1m WIDE)	
JOINT PIT	
ROAD FORMATION EDGE	
PARCELS WITHIN PLANNING APPLICATION	
SCATTERED NATIVE TREE (REMOVED)	
SCATTERED NATIVE TREE (RETAINED)	
NATIVE VEGETATION (REMOVED)	
NATIVE VEGETATION (RETAINED)	

DATE	LAYOUT	REVISION	PURPOSE	DESCRIPTION
16.04.2019		0	220KV OUTLINE	PRELIMINARY DRAWING
05.06.2019		1	220KV OUTLINE	NOTATIONS INCLUDED
18.07.2019		2	220KV OUTLINE	LOT NO. AND NATIVE VEGETATION ADDED
26.07.2019		3	220KV OUTLINE	EASEMENTS ADDED
01.08.2019		4	220KV OUTLINE	MIN. POWERCOR EASEMENT & TRANSMISSION CORRIDOR SETBACK ADDED



DATUM MGA 94	PROJECT MORTLAKE SOUTH WINDFARM	DESIGNED DC	DRAWN DC	CHECKED GS	VERIFIED BD	APPROVED COG
PROJECTION MGA 94 ZONE 54 GRID	TITLE PROPOSED 220KV CABLE ALIGNMENT AND CONSTRUCTION CORRIDOR	DRAW. NUMBER	REVISION 4	SHEET 12 OF 17	DATE 01.08.2019	PAPER A3
SCALE 1 : 5000	AE CODE	EXTERNAL CODE				

NOTES

1. REFER TO INDICATIVE SUBSTATION CONNECTION DRAWING
2. EXTENT OF WORKS IN CORANGAMITE SHIRE COUNCIL
3. EXTENT OF WORKS IN MOYNE SHIRE COUNCIL
4. REMOVAL OF EXOTIC OR PLANTED VEGETATION TO BE LIMITED TO THE MINIMUM EXTENT PRACTICAL
5. REFER TO PLANNING PERMIT 2008/0538/A FOR SUBSTATION LAYOUT
6. REFER TO TITLE DOCUMENTS FOR DETAIL REGARDING EASEMENTS



Access Point and Temporary Laydown Area No. 6

Temporary Laydown Area (Red) 10 metres x 30 metres for loading/unloading of equipment, temporary storage of equipment and temporary storage of spoil.

Truck Warning Signs (W5-22) to be placed at the entry to the access point from all public roads.

The temporary laydown area is located wholly within the nominated construction corridor and a minimum distance of 30 metres from all vegetation to be retained and any waterways.

Lot 2 PS080636

SEE NOTE 4

APPROVED WF STRUCTURE

APPROVED STRUCTURE

LONDRIGANS LANE

CLIFFORDS LANE

Lot 1 TP956968E

TAPPS LANE

VICTRACK RESERVE

Lot 2 TP446362N

**PLANNING and ENVIRONMENT ACT
MOYNE & CORANGAMITE PLANNING
SCHEME**

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CONDITION 7
ENDORSED PLAN
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Signed:  for
MINISTER FOR PLANNING
Date: 26/02/2020

LEGEND	
CONSTRUCTION CORRIDOR	
220KV CABLE	
220KV TRENCH (1m WIDE)	
JOINT PIT	
ROAD FORMATION EDGE	
PARCELS WITHIN PLANNING APPLICATION	
SCATTERED NATIVE TREE (REMOVED)	
SCATTERED NATIVE TREE (RETAINED)	
NATIVE VEGETATION (REMOVED)	
NATIVE VEGETATION (RETAINED)	

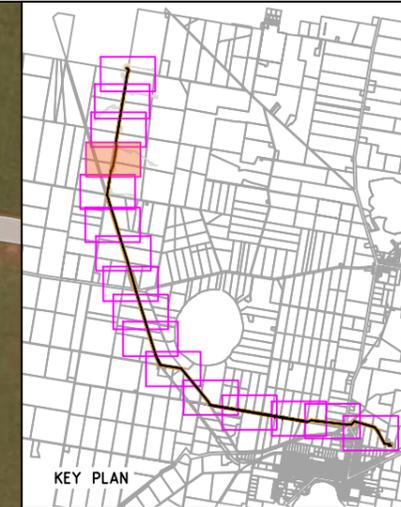
DATE	LAYOUT	REVISION	PURPOSE	DESCRIPTION
16.04.2019		0	220KV OUTLINE	PRELIMINARY DRAWING
05.06.2019		1	220KV OUTLINE	NOTATIONS INCLUDED
18.07.2019		2	220KV OUTLINE	LOT NO. AND NATIVE VEGETATION ADDED
26.07.2019		3	220KV OUTLINE	EASEMENTS ADDED
01.08.2019		4	220KV OUTLINE	MIN. POWERCOR EASEMENT & TRANSMISSION CORRIDOR SETBACK ADDED



DATUM MGA 94	PROJECT MORTLAKE SOUTH WINDFARM	DESIGNED DC	DRAWN DC	CHECKED GS	VERIFIED BD	APPROVED COG
PROJECTION MGA 94 ZONE 54 GRID	TITLE PROPOSED 220KV CABLE ALIGNMENT AND CONSTRUCTION CORRIDOR	DRAW. NUMBER	REVISION 4	SHEET 13 OF 17	DATE 01.08.2019	PAPER A3
SCALE 1 : 5000	AE CODE	EXTERNAL CODE				

NOTES

1. REFER TO INDICATIVE SUBSTATION CONNECTION DRAWING
2. EXTENT OF WORKS IN CORANGAMITE SHIRE COUNCIL
3. EXTENT OF WORKS IN MOYNE SHIRE COUNCIL
4. REMOVAL OF EXOTIC OR PLANTED VEGETATION TO BE LIMITED TO THE MINIMUM EXTENT PRACTICAL
5. REFER TO PLANNING PERMIT 2008/0538/A FOR SUBSTATION LAYOUT
6. REFER TO TITLE DOCUMENTS FOR DETAIL REGARDING EASEMENTS



Access Point and Temporary Laydown Area No. 4

Temporary Laydown Area (Red) 10 metres x 30 metres for loading/unloading of equipment, temporary storage of equipment and temporary storage of spoil.

Truck Warning Signs (W5-22) to be placed at the entry to the access point from all public roads.

The temporary laydown area is located wholly within the nominated construction corridor and a minimum distance of 30 metres from all vegetation to be retained and any waterways.

Access Point and Temporary Laydown Area No. 5

Temporary Laydown Area (Red) 10 metres x 30 metres for loading/unloading of equipment, temporary storage of equipment and temporary storage of spoil.

Truck Warning Signs (W5-22) to be placed at the entry to the access point from all public roads.

The temporary laydown area is located wholly within the nominated construction corridor and a minimum distance of 30 metres from all vegetation to be retained and any waterways.

TAPPS LANE

APPROVED WF STRUCTURE

Lot 1 TP761875X

SEE NOTE 4

Drainage Easement

APPROVED WF STRUCTURE

Lot 2 PS080636

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 Date: 26/02/2020

LEGEND	
CONSTRUCTION CORRIDOR	
220KV CABLE	
220KV TRENCH (1m WIDE)	
JOINT PIT	
ROAD FORMATION EDGE	
PARCELS WITHIN PLANNING APPLICATION	
SCATTERED NATIVE TREE (REMOVED)	
SCATTERED NATIVE TREE (RETAINED)	
NATIVE VEGETATION (REMOVED)	
NATIVE VEGETATION (RETAINED)	

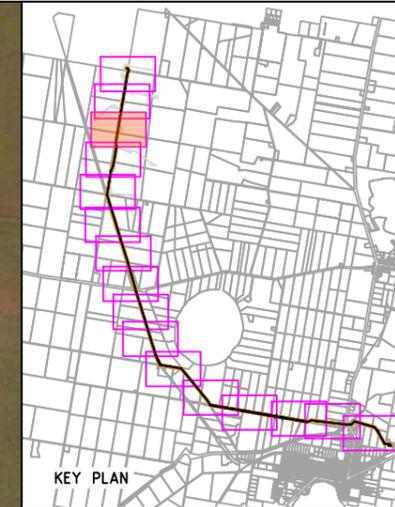
DATE	LAYOUT	REVISION	PURPOSE	DESCRIPTION
16.04.2019		0	220KV OUTLINE	PRELIMINARY DRAWING
05.06.2019		1	220KV OUTLINE	NOTATIONS INCLUDED
18.07.2019		2	220KV OUTLINE	LOT NO. AND NATIVE VEGETATION ADDED
26.07.2019		3	220KV OUTLINE	EASEMENTS ADDED
01.08.2019		4	220KV OUTLINE	MIN. POWERCOR EASEMENT & TRANSMISSION CORRIDOR SETBACK ADDED



DATUM	PROJECT	DESIGNED	DRAWN	CHECKED	VERIFIED	APPROVED
MGA 94	MORTLAKE SOUTH WINDFARM	DC	DC	GS	BD	COG
PROJECTION	TITLE	DRAW. NUMBER	REVISION	SHEET	DATE	PAPER
MGA 94 ZONE 54 GRID	PROPOSED 220KV CABLE ALIGNMENT AND CONSTRUCTION CORRIDOR		4	14 OF 17	01.08.2019	A3
SCALE	AE CODE	EXTERNAL CODE				
1 : 5000						

NOTES

1. REFER TO INDICATIVE SUBSTATION CONNECTION DRAWING
2. EXTENT OF WORKS IN CORANGAMITE SHIRE COUNCIL
3. EXTENT OF WORKS IN MOYNE SHIRE COUNCIL
4. REMOVAL OF EXOTIC OR PLANTED VEGETATION TO BE LIMITED TO THE MINIMUM EXTENT PRACTICAL
5. REFER TO PLANNING PERMIT 2008/0538/A FOR SUBSTATION LAYOUT
6. REFER TO TITLE DOCUMENTS FOR DETAIL REGARDING EASEMENTS



KEY PLAN

Lot 4 PS412947M

Lot 1 TP761875X

Access Point and Temporary Laydown Area No. 3

Temporary Laydown Area (Red)
10 metres x 30 metres for loading/
unloading of equipment,
temporary storage of equipment
and temporary storage of spoil.

Truck Warning Signs (W5-22) to
be placed at the entry to the
access point from all public roads.

The temporary laydown area is
located wholly within the
nominated construction corridor
and a minimum distance of 30
metres from all vegetation to be
retained and any waterways.

APPROVED WF
STRUCTURE

APPROVED WF
STRUCTURE

TAPPS
LANE

Carriageway Easement

Drainage Easement

PLANNING and ENVIRONMENT ACT
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Signed:  for
MINISTER FOR PLANNING
Date: 26/02/2020

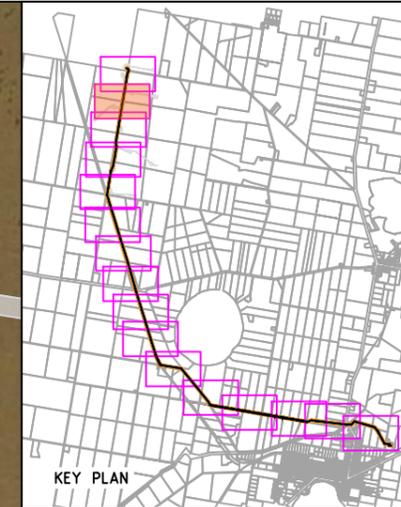
LEGEND	
CONSTRUCTION CORRIDOR	
220KV CABLE	
220KV TRENCH (1m WIDE)	
JOINT PIT	
ROAD FORMATION EDGE	
PARCELS WITHIN PLANNING APPLICATION	
SCATTERED NATIVE TREE (REMOVED)	
SCATTERED NATIVE TREE (RETAINED)	
NATIVE VEGETATION (REMOVED)	
NATIVE VEGETATION (RETAINED)	

DATE	LAYOUT	REVISION	PURPOSE	DESCRIPTION
16.04.2019		0	220KV OUTLINE	PRELIMINARY DRAWING
05.06.2019		1	220KV OUTLINE	NOTATIONS INCLUDED
18.07.2019		2	220KV OUTLINE	LOT NO. AND NATIVE VEGETATION ADDED
26.07.2019		3	220KV OUTLINE	EASEMENTS ADDED
01.08.2019		4	220KV OUTLINE	MIN. POWERCOR EASEMENT & TRANSMISSION CORRIDOR SETBACK ADDED



DATUM MGA 94	PROJECT MORTLAKE SOUTH WINDFARM	DESIGNED DC	DRAWN DC	CHECKED GS	VERIFIED BD	APPROVED COG
PROJECTION MGA 94 ZONE 54 GRID	TITLE PROPOSED 220KV CABLE ALIGNMENT AND CONSTRUCTION CORRIDOR	DRAW. NUMBER	REVISION 4	SHEET 15 OF 17	DATE 01.08.2019	PAPER A3
SCALE 1 : 5000	AE CODE	EXTERNAL CODE				

1. REFER TO INDICATIVE SUBSTATION CONNECTION DRAWING
2. EXTENT OF WORKS IN CORANGAMITE SHIRE COUNCIL
3. EXTENT OF WORKS IN MOYNE SHIRE COUNCIL
4. REMOVAL OF EXOTIC OR PLANTED VEGETATION TO BE LIMITED TO THE MINIMUM EXTENT PRACTICAL
5. REFER TO PLANNING PERMIT 2008/0538/A FOR SUBSTATION LAYOUT
6. REFER TO TITLE DOCUMENTS FOR DETAIL REGARDING EASEMENTS



APPROVED WF STRUCTURE

Lot 1 PS412947M

Access Point and Temporary Laydown Area No. 2

Temporary Laydown Area (Red) 10 metres x 30 metres for loading/unloading of equipment, temporary storage of equipment and temporary storage of spoil.

Truck Warning Signs (W5-22) to be placed at the entry to the access point from all public roads.

The temporary laydown area is located wholly within the nominated construction corridor and a minimum distance of 30 metres from all vegetation to be retained and any waterways.

Lot 4 PS412947M

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Signed:  for
MINISTER FOR PLANNING
Date: 26/02/2020

LEGEND

- CONSTRUCTION CORRIDOR —
- 220KV CABLE —
- 220KV TRENCH (1m WIDE) —
- JOINT PIT —
- ROAD FORMATION EDGE —
- PARCELS WITHIN PLANNING APPLICATION —
- SCATTERED NATIVE TREE (REMOVED) ●
- SCATTERED NATIVE TREE (RETAINED) ●
- NATIVE VEGETATION (REMOVED) —
- NATIVE VEGETATION (RETAINED) —

DATE	LAYOUT	REVISION	PURPOSE	DESCRIPTION
16.04.2019		0	220KV OUTLINE	PRELIMINARY DRAWING
05.06.2019		1	220KV OUTLINE	NOTATIONS INCLUDED
18.07.2019		2	220KV OUTLINE	LOT NO. AND NATIVE VEGETATION ADDED
26.07.2019		3	220KV OUTLINE	EASEMENTS ADDED
01.08.2019		4	220KV OUTLINE	MIN. POWERCOR EASEMENT & TRANSMISSION CORRIDOR SETBACK ADDED



DATUM MGA 94	PROJECT MORTLAKE SOUTH WINDFARM	DESIGNED DC	DRAWN DC	CHECKED GS	VERIFIED BD	APPROVED COG
PROJECTION MGA 94 ZONE 54 GRID	TITLE PROPOSED 220KV CABLE ALIGNMENT AND CONSTRUCTION CORRIDOR	DRAW. NUMBER	REVISION 4	SHEET 16 OF 17	DATE 01.08.2019	PAPER A3
SCALE 1 : 5000	AE CODE	EXTERNAL CODE				

NOTES

1. REFER TO INDICATIVE SUBSTATION CONNECTION DRAWING
2. EXTENT OF WORKS IN CORANGAMITE SHIRE COUNCIL
3. EXTENT OF WORKS IN MOYNE SHIRE COUNCIL
4. REMOVAL OF EXOTIC OR PLANTED VEGETATION TO BE LIMITED TO THE MINIMUM EXTENT PRACTICAL
5. REFER TO PLANNING PERMIT 2008/0538/A FOR SUBSTATION LAYOUT
6. REFER TO TITLE DOCUMENTS FOR DETAIL REGARDING EASEMENTS



Lot 2 TP395362T

Access Point and Temporary Laydown Area No. 1

Temporary Laydown Area (Red) 10 metres x 30 metres for loading/unloading of equipment, temporary storage of equipment and temporary storage of spoil.

Truck Warning Signs (W5-22) to be placed at the entry to the access point from all public roads.

The temporary laydown area is located wholly within the nominated construction corridor and a minimum distance of 30 metres from all vegetation to be retained and any waterways.

SEE NOTE 5

APPROVED WF STRUCTURE

SEE NOTE 1

APPROVED WF STRUCTURE

Lot 2 PS209050M



KEY PLAN

CHAMALLAK LANE

TAPPS LANE

APPROVED WF STRUCTURE

Lot 1 PS412947M

APPROVED WF STRUCTURE

**PLANNING and ENVIRONMENT ACT
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SCHEME**

**PERMIT NO. PA1900603 & 1900604
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Signed:  for
MINISTER FOR PLANNING
Date: 26/02/2020

LEGEND

- CONSTRUCTION CORRIDOR —
- 220KV CABLE —
- 220KV TRENCH (1m WIDE) —
- JOINT PIT —
- ROAD FORMATION EDGE —
- PARCELS WITHIN PLANNING APPLICATION —
- SCATTERED NATIVE TREE (REMOVED) ●
- SCATTERED NATIVE TREE (RETAINED) ●
- NATIVE VEGETATION (REMOVED) —
- NATIVE VEGETATION (RETAINED) —

DATE	LAYOUT	REVISION	PURPOSE	DESCRIPTION
16.04.2019		0	220KV OUTLINE	PRELIMINARY DRAWING
05.06.2019		1	220KV OUTLINE	NOTATIONS INCLUDED
18.07.2019		2	220KV OUTLINE	LOT NO. AND NATIVE VEGETATION ADDED
26.07.2019		3	220KV OUTLINE	EASEMENTS ADDED
01.08.2019		4	220KV OUTLINE	MIN. POWERCOR EASEMENT & TRANSMISSION CORRIDOR SETBACK ADDED



DATUM	PROJECT	DESIGNED	DRAWN	CHECKED	VERIFIED	APPROVED	
MGA 94	MORTLAKE SOUTH WINDFARM	DC	DC	GS	BD	COG	
PROJECTION	TITLE	DRAW. NUMBER	REVISION	SHEET	DATE	PAPER	
MGA 94 ZONE 54 GRID	PROPOSED 220KV CABLE ALIGNMENT AND CONSTRUCTION CORRIDOR		4	17 OF 17	01.08.2019	A3	
SCALE	AE CODE	EXTERNAL CODE	DRAW. NUMBER	REVISION	SHEET	DATE	PAPER
1 : 5000							

Appendix D Biodiversity Offset Requirements

**PLANNING and ENVIRONMENT ACT
MOYNE & CORANGAMITE PLANNING
SCHEME**

**PERMIT NO. PA1900603 & 1900604
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Signed:  for
MINISTER FOR PLANNING
Date: 26/02/2020

Native vegetation removal report

This report provides information to support an application to remove, destroy or lop native vegetation in accordance with the *Guidelines for the removal, destruction or lopping of native vegetation*. The report **is not an assessment by DELWP** of the proposed native vegetation removal. Native vegetation information and offset requirements have been determined using spatial data provided by the applicant or their consultant.

Date of issue: 17/07/2019

Time of issue: 12:47 pm

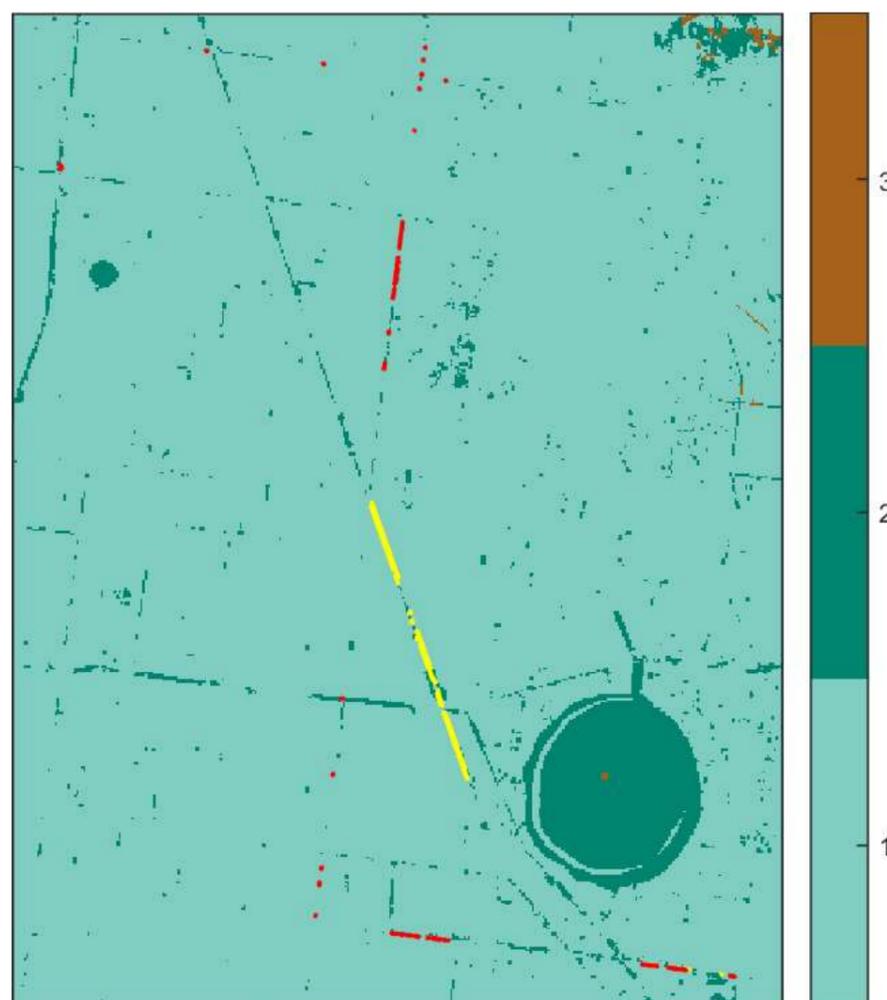
Report ID: EHP_2019_157

Project ID EHP11885_MorthlakeSth_WF

Assessment pathway

Assessment pathway	Detailed Assessment Pathway
Extent including past and proposed	4.677 ha
Extent of past removal	0.749 ha
Extent of proposed removal	3.928 ha
No. Large trees proposed to be removed	0
Location category of proposed removal	Location 2 The native vegetation is in an area mapped as an endangered Ecological Vegetation Class (as per the statewide EVC map). Removal of less than 0.5 hectares of native vegetation in this location will not have a significant impact on any habitat for a rare or threatened species.

1. Location map



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Signed: [Signature] for
MINISTER FOR PLANNING
Date: 26/02/2020

Offset requirements if a permit is granted

Any approval granted will include a condition to obtain an offset that meets the following requirements:

General offset amount¹	0.888 general habitat units
Vicinity	Glenelg Hopkins Catchment Management Authority (CMA) or Corangamite Shire, Moyne Shire Council
Minimum strategic biodiversity value score ²	0.253
Large trees	0 large trees

NB: values within tables in this document may not add to the totals shown above due to rounding

Appendix 1 includes information about the native vegetation to be removed

Appendix 2 includes information about the rare or threatened species mapped at the site.

Appendix 3 includes maps showing native vegetation to be removed and extracts of relevant species habitat importance maps

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¹ The general offset amount required is the sum of all general habitat units in Appendix 1.

² Minimum strategic biodiversity score is 80 per cent of the weighted average score across habitat zones where a general offset is required

Next steps

Any proposal to remove native vegetation must meet the application requirements of the Detailed Assessment Pathway and it will be assessed under the Detailed Assessment Pathway.

If you wish to remove the mapped native vegetation you are required to apply for a permit from your local council. Council will refer your application to DELWP for assessment, as required. **This report is not a referral assessment by DELWP.**

This *Native vegetation removal report* must be submitted with your application for a permit to remove, destroy or lop native vegetation.

Refer to the *Guidelines for the removal, destruction or lopping of native vegetation* (the Guidelines) for a full list of application requirements. This report provides information that meets the following application requirements:

- The assessment pathway and reason for the assessment pathway
- A description of the native vegetation to be removed (partly met)
- Maps showing the native vegetation and property (partly met)
- Information about the impacts on rare or threatened species.
- The offset requirements determined in accordance with section 5 of the Guidelines that apply if approval is granted to remove native vegetation.

Additional application requirements must be met including:

- Topographical and land information
- Recent dated photographs
- Details of past native vegetation removal
- An avoid and minimise statement
- A copy of any Property Vegetation Plan that applies
- A defensible space statement as applicable
- A statement about the Native Vegetation Precinct Plan as applicable
- A site assessment report including a habitat hectare assessment of any patches of native vegetation and details of trees
- An offset statement that explains that an offset has been identified and how it will be secured.

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Authorised by the Victorian Government, 8 Nicholson Street, East Melbourne.

For more information contact the DELWP Customer Service Centre 136 186

www.delwp.vic.gov.au

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This publication may be of assistance to you but the State of Victoria and its employees do not guarantee that the publication is without flaw of any kind or is wholly appropriate for your particular purposes and therefore disclaims all liability for any error, loss or other consequence which may arise from you relying on any information in this publication.

Obtaining this publication does not guarantee that an application will meet the requirements of Clauses 52.16 or 52.17 of the Victoria Planning Provisions and Victorian planning schemes or that a permit to remove native vegetation will be granted.

Notwithstanding anything else contained in this publication, you must ensure that you comply with all relevant laws, legislation, awards or orders and that you obtain and comply with all permits, approvals and the like that affect, are applicable or are necessary to undertake any action to remove, lop or destroy or otherwise deal with any native vegetation that apply to matters within the scope of Clauses 52.16 or 52.17 of the Victoria Planning Provisions and Victorian planning schemes.

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MUNICIPALITY OF COORANG
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SCHEME

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Appendix 1: Description of native vegetation to be removed

The species-general offset test was applied to your proposal. This test determines if the proposed removal of native vegetation has a proportional impact on any rare or threatened species habitats above the species offset threshold. The threshold is set at 0.005 per cent of the mapped habitat value for a species. When the proportional impact is above the species offset threshold a species offset is required. This test is done for all species mapped at the site. Multiple species offsets will be required if the species offset threshold is exceeded for multiple species.

Where a zone requires species offset(s), the species habitat units for each species in that zone is calculated by the following equation in accordance with the Guidelines:

$$\text{Species habitat units} = \text{extent} \times \text{condition} \times \text{species landscape factor} \times 2, \text{ where the species landscape factor} = 0.5 + (\text{habitat importance score}/2)$$

The species offset amount(s) required is the sum of all species habitat units per zone

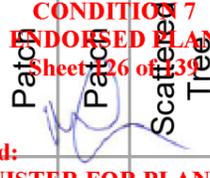
Where a zone does not require a species offset, the general habitat units in that zone is calculated by the following equation in accordance with the Guidelines:

$$\text{General habitat units} = \text{extent} \times \text{condition} \times \text{general landscape factor} \times 1.5, \text{ where the general landscape factor} = 0.5 + (\text{strategic biodiversity value score}/2)$$

The general offset amount required is the sum of all general habitat units per zone.

Native vegetation to be removed

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
1-D	Patch	vvp_0055_61	Endangered	0	no	0.160	0.037	0.037	0.414		0.006	General
2-D	Patch	vvp_0055_61	Endangered	0	no	0.160	0.035	0.035	0.393		0.006	General
3-D	Patch	vvp_0055_61	Endangered	0	no	0.160	0.003	0.003	0.450		0.001	General
5-D	Patch	vvp_0055_61	Endangered	0	no	0.160	0.004	0.004	0.390		0.001	General
6-D	Patch	vvp_0055_61	Endangered	0	no	0.160	0.000	0.000	0.390		0.000	General
14-B	Patch	vvp_0132_61	Endangered	0	no	0.250	1.427	1.427	0.305		0.349	General
4-C	Patch	vvp_0055_61	Endangered	0	no	0.220	1.139	1.139	0.347		0.253	General
7-C	Patch	vvp_0055_61	Endangered	0	no	0.220	0.012	0.012	0.312		0.003	General
8-C	Patch	vvp_0055_61	Endangered	0	no	0.220	0.233	0.233	0.352		0.052	General
9-TR	Scattered Tree	vvp_0055_61	Endangered	0	no	0.200	0.031	0.031	0.290		0.006	General

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 MINISTER FOR PLANNING
 Date: 26/02/2020

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym						
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type	
10-TR	Scattered Tree	vvp_0055_61	Endangered	0	no	0.200	0.031	0.031	0.280		0.006	General	
11-TR	Scattered Tree	vvp_0055_61	Endangered	0	no	0.200	0.031	0.031	0.280		0.006	General	
12-A	Patch	vvp_0132_61	Endangered	0	no	0.220	0.059	0.059	0.286		0.012	General	
13-A	Patch	vvp_0132_61	Endangered	0	no	0.220	0.393	0.393	0.285		0.083	General	
15-A	Patch	vvp_0132_61	Endangered	0	no	0.220	0.282	0.282	0.287		0.060	General	
16-A	Patch	vvp_0132_61	Endangered	0	no	0.220	0.209	0.209	0.280		0.044	General	

**PLANNING and ENVIRONMENT ACT
MOYNE & CORANGAMITE PLANNING
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Signed:  for
MINISTER FOR PLANNING
Date: 26/02/2020

Appendix 2: Information about impacts to rare or threatened species' habitats on site

This table lists all rare or threatened species' habitats mapped at the site.

Species common name	Species scientific name	Species number	Conservation status	Group	Habitat impacted	% habitat value affected
Curly Sedge	<i>Carex tasmanica</i>	500650	Vulnerable	Dispersed	Habitat importance map	0.0002
Wind-blown Tussock-grass	<i>Poa physoclina</i>	507791	Endangered	Dispersed	Habitat importance map	0.0001
Fragrant Leek-orchid	<i>Prasophyllum suaveolens</i>	504567	Endangered	Dispersed	Habitat importance map	0.0001
Button Wrinklewort	<i>Rutidosis leptorhynchoides</i>	502982	Endangered	Dispersed	Habitat importance map	0.0001
Clumping Golden Moths	<i>Diuris gregaria</i>	504887	Endangered	Dispersed	Habitat importance map	0.0001
Large-headed Fireweed	<i>Senecio macrocarpus</i>	503116	Endangered	Dispersed	Habitat importance map	0.0001
Salt Blown-grass	<i>Lachnagrostis robusta</i>	504223	Rare	Dispersed	Habitat importance map	0.0000
Basalt Sun-orchid	<i>Thelymitra gregaria</i>	504019	Endangered	Dispersed	Habitat importance map	0.0000
Plump Swamp Wallaby-grass	<i>Amphibromus pithogastrus</i>	503624	Endangered	Dispersed	Habitat importance map	0.0000
Brackish Plains Buttercup	<i>Ranunculus diminutus</i>	504314	Rare	Dispersed	Habitat importance map	0.0000
Swamp Everlasting	<i>Xerochrysum palustre</i>	503763	Vulnerable	Dispersed	Habitat importance map	0.0000
White Sunray	<i>Leucochrysum albicans subsp. tricolor</i>	504581	Endangered	Dispersed	Habitat importance map	0.0000
Small Scurf-pea	<i>Cullen parvum</i>	502773	Endangered	Dispersed	Habitat importance map	0.0000
Wavy Swamp Wallaby-grass	<i>Amphibromus sinuatus</i>	503625	Vulnerable	Dispersed	Habitat importance map	0.0000
Plains Yellow-candy	<i>Microseris scapigera s.s.</i>	504657	Vulnerable	Dispersed	Habitat importance map	0.0000
Red-flowered Crane's-bill	<i>Dianella amoena</i>	505084	Endangered	Dispersed	Habitat importance map	0.0000
Pale-flower Crane's-bill	<i>Geranium sp. 3</i>	505344	Rare	Dispersed	Habitat importance map	0.0000
Snowy Mint-bush	<i>Prostanthera nivea var. nivea</i>	502746	Rare	Dispersed	Habitat importance map	0.0000

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Tough Scurf-pea	<i>Cullen tenax</i>	502776	Endangered	Dispersed	Habitat importance map	0.0000
Large White Spider-orchid	<i>Caladenia venusta</i>	500533	Rare	Dispersed	Habitat importance map	0.0000
Purple Blown-grass	<i>Lachnagrostis punicea subsp. punicea</i>	504206	Rare	Dispersed	Habitat importance map	0.0000
Golden Cowslips	<i>Diuris behrii</i>	501061	Vulnerable	Dispersed	Habitat importance map	0.0000
Trailing Hop-bush	<i>Dodonaea procumbens</i>	501090	Vulnerable	Dispersed	Habitat importance map	0.0000
Arching Flax-lily	<i>Dianella sp. aff. longifolia (Benambra)</i>	505560	Vulnerable	Dispersed	Habitat importance map	0.0000
Pale Swamp Everlasting	<i>Coronidium gunnianum</i>	504655	Vulnerable	Dispersed	Habitat importance map	0.0000
Purple Blown-grass	<i>Lachnagrostis punicea subsp. filifolia</i>	504222	Rare	Dispersed	Habitat importance map	0.0000
Bog Gum	<i>Eucalyptus kitsoniana</i>	501290	Rare	Dispersed	Habitat importance map	0.0000
Swamp Flax-lily	<i>Dianella callicarpa</i>	505086	Rare	Dispersed	Habitat importance map	0.0000
Purple Diuris	<i>Diuris punctata</i>	501084	Vulnerable	Dispersed	Habitat importance map	0.0000
Spiny Rice-flower	<i>Pimelea spinescens subsp. spinescens</i>	504823	Endangered	Dispersed	Habitat importance map	0.0000
Fine-hairy Spear-grass	<i>Austrostipa puberula</i>	503988	Rare	Dispersed	Habitat importance map	0.0000
Small Milkwort	<i>Comesperma polygaloides</i>	500798	Vulnerable	Dispersed	Habitat importance map	0.0000
Branching Groundsel	<i>Senecio cunninghamii var. cunninghamii</i>	503104	Rare	Dispersed	Habitat importance map	0.0000
Common Pipewort	<i>Eriocaulon scariosum</i>	501218	Rare	Dispersed	Habitat importance map	0.0000
Brolga	<i>Grus rubicunda</i>	10177	Vulnerable	Dispersed	Habitat importance map	0.0000
Flat Bluebell	<i>Wahlenbergia planiflora subsp. planiflora</i>	504064	Vulnerable	Dispersed	Habitat importance map	0.0000
Hairy Tails	<i>Ptilotus erubescens</i>	502825	Vulnerable	Dispersed	Habitat importance map	0.0000
Cloverbine	<i>Glycine latrobeana</i>	501456	Vulnerable	Dispersed	Habitat importance map	0.0000
Small-flowered Warush	<i>Lomandra micrantha subsp. tuberculata</i>	504711	Rare	Dispersed	Habitat importance map	0.0000
Southern Swainsn-pea	<i>Swainsona behriana</i>	504944	Rare	Dispersed	Habitat importance map	0.0000

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Leafy Twig-sedge	<i>Cladium procerum</i>	500786	Rare	Dispersed	Habitat importance map	0.0000
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Habitat group

- Highly localised habitat means there is 2000 hectares or less mapped habitat for the species
- Dispersed habitat means there is more than 2000 hectares of mapped habitat for the species

Habitat impacted

- Habitat importance maps are the maps defined in the Guidelines that include all the mapped habitat for a rare or threatened species
- Top ranking maps are the maps defined in the Guidelines that depict the important areas of a dispersed species habitat, developed from the highest habitat importance scores in dispersed species habitat maps and selected VBA records
- Selected VBA record is an area in Victoria that represents a large population, roosting or breeding site etc.

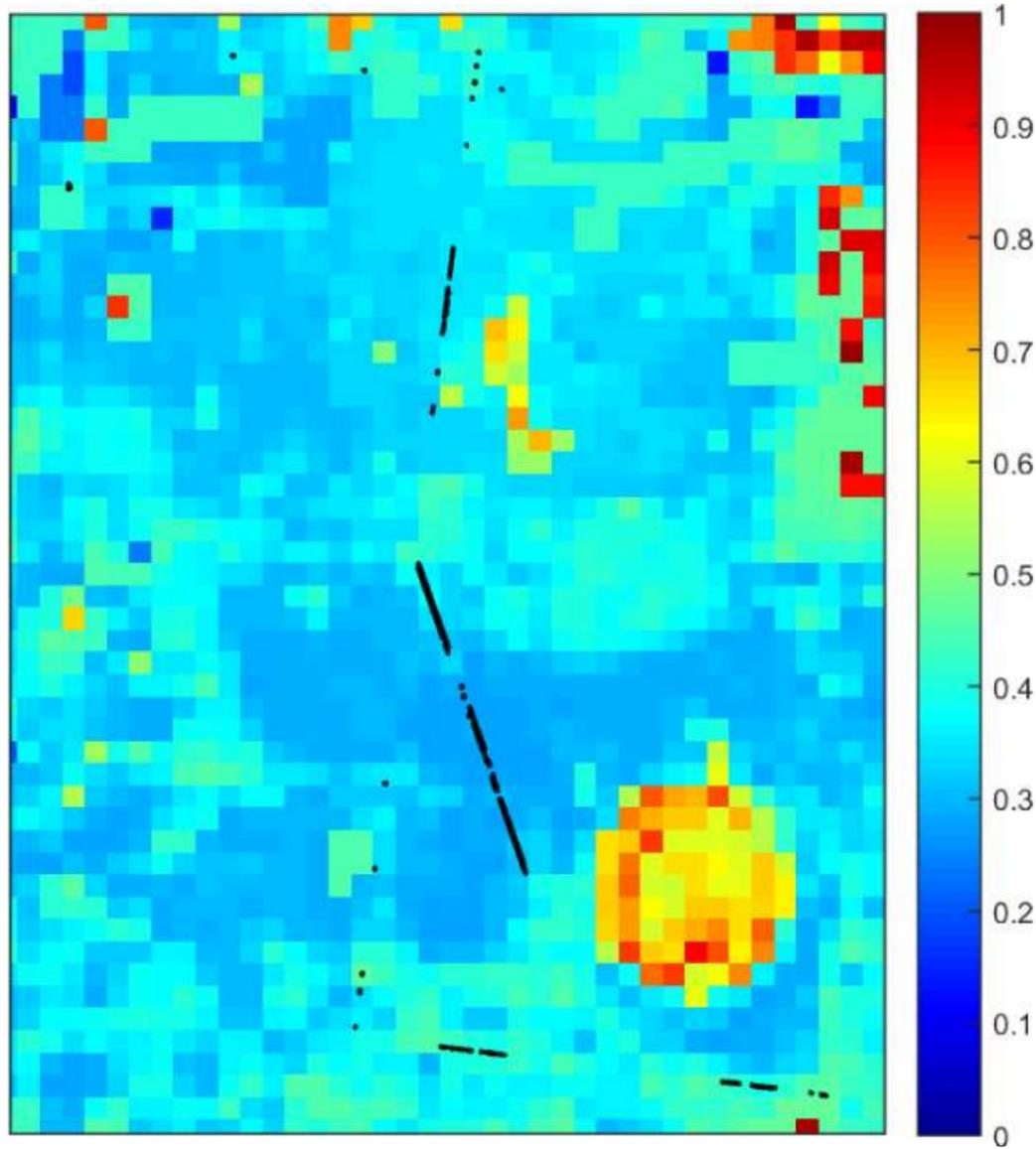
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Appendix 3 – Images of mapped native vegetation

2. Strategic biodiversity values map



3. Aerial photograph showing mapped native vegetation



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4. Map of the property in context



Yellow boundaries denote areas of proposed native vegetation removal.

Red boundaries denote areas of past removal.

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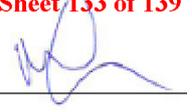
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Appendix E Project Spoil Management Plan

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Spoil Management Protocol

Mortlake South Wind Farm &
220kV Transmission Line



**PERMITTING AND ENVIRONMENTAL PROTECTION
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	Author	Reviewer	Approver
Name	Jesse Percival	Ben Ortiz Roger Smith	Andrew Tshaikiwsky
Date	5 December 2019	5 December 2019	6 December 2019

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1. Purpose

The Mortlake South Wind Farm (MSWF) is a renewable energy facility that will be located in Western Victoria. The wind farm will consist of 35 wind turbines with a total nameplate capacity of 157.5MW of electrical generation. The turbines will be located to the south of Mortlake over 48 rural parcels. The MSWF commenced construction in early 2019. This protocol also applies to the construction of the 220kV underground transmission line located between the MSWF and Ausnet’s Terang Terminal Station.

Civil works associated with the construction of the MSWF will generate spoil and excess materials from the construction of roads, drainage, hardstands, excavations for turbine foundations and the installation of underground electrical infrastructure. Spoil is also to be generated during the construction of the 220kV underground transmission line.

Spoil is considered to be either:

- In situ material that has been brought up for the first time during excavation or trenching activities from natural ground or areas previously disturbed by light farming activities.
- Imported material sourced from authorised operating quarries brought up during excavation or trenching activities where project works have commenced.

The purpose of this Protocol is to establish clear objectives and requirements for the management of spoil in accordance with the Projects endorsed Environmental Management Plan (EMP), including:

- The minimisation of spoil removal where practicable and associated impacts on stakeholders, community and the environment;
- Maximising the beneficial reuse of spoil material generated on the Project, by the Project and interested stakeholders for beneficial re-use for levelling, development or rehabilitation;
- Controlling the removal of spoil material offsite by ensuring the potential impacts are managed;
- Identifying and managing material unsuitable for beneficial re-use and ensuring disposal is in accordance with the Environmental Protection (Industrial Waste Resource) Regulations 2009 (Vic).

2. Scope

This Protocol applies to all spoil management activities at the Mortlake South Wind Farm Project and the 220kV transmission line, having been developed further to extensive geotechnical and hydrological testing that ACCIONA has performed, providing a clear understanding of the site conditions.

3. Definitions

Term	Definition
Spoil	Spoil is defined as either: <ul style="list-style-type: none"> • In situ material that has been brought up for the first time during excavation or trenching activities from natural ground or areas previously disturbed by light farming activities.

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	<ul style="list-style-type: none"> Imported material sourced from authorised operating quarries brought up during excavation or trenching activities where project works have commenced.
Waste Material	Any material that is contaminated as described by the IWRG and Publication 1624. Contaminated soil is described under the IWRG as category A, B or C.
MSWF Site	Land which is within the demarcated MSWF site boundary on the development plan endorsed under the planning permit.
Industrial Waste Resource Guidelines (IWRG)	Publication IWRG621 (EPA, June 2019).
Industrial Waste Fact Sheet	Publication 1624 (EPA, May 2016).
MSWF Environmental Management Plan	Endorsed MSWF Environmental Management Plan (ACCIONA, January 2019)

4. Responsibilities

Roles and responsibilities of this plan are set out in Section 5.2 of the MSWF EMP, this includes ACCIONA personnel and contractors appointed by ACCIONA.

5. Training & Communication

The requirements of this plan will be communicated to key site personnel involved in the excavation and transport of spoil at the MSWF directly by ACCIONA representative’s onsite. Inductions will be updated to include relevant information and specific information communicated in pre-start meetings including if contaminated material is identified and the actions taken as well as where spoil movement is occurring.

6. Spoil Management Process

Step	Requirement under this Plan	Details of Completion and Required evidence
1. Spoil handling & Storage	Spoil is to be handled and stockpiled within the defined project footprint as illustrated on the endorsed plans for the MSWF and 220kV transmission line.	Date Completed: By Who:
2. Spoil Management Hierarchy	Review spoil based on the hierarchy as below: <ol style="list-style-type: none"> Minimisation of spoil generation through design and management. Reuse of spoil within the project. Beneficial reuse of spoil outside the project for environmental and landholder works. Beneficial reuse of spoil outside the project for site levelling, development or rehabilitation. Disposal of spoil outside the project for non-beneficial uses (land fill). 	Date Completed: By Who:
3. Spoil Testing & Classification	All spoil which is to be transported off-site is to be tested prior in accordance with the IWRG702 Soil Sampling. Visual inspections is also to occur, if any unnatural material is observed, this is to be separated for disposal.	Date Completed: By Who:

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	<p>Results are to be reviewed against the values contained in the IWRG, also along with visual records of the material type and profile.</p> <p>Spoil is classified as virgin natural material, clean fill or contaminated waste (category A, B or C soils) in accordance with IWRG621 Soil Hazard Categorisation and Management.</p>	
4. Spoil cartage	<p>Once Spoil is classified as clean fill or natural virgin material, transport of material off-site can then occur.</p> <p>Written evidence of consent is obtained from the landholder of origin and from the party receiving / accepting the material.</p> <p>Materials are to be transported on approved haulage routes as determined by the MSWF TMP and 220kV TMP or in circumstances where this is not possible (i.e. if the spoil is required to be transported to a specific receiving facility) the route and volumes of material are to be communicated and approved by Council.</p>	<p>Date Completed:</p> <p>By Who:</p>
5. Waste Disposal	<p>Any materials classified as a regulated waste (A, B or C contaminated soil) to be transported to an EPA approved landfill site, where required by an EPA certified removalist.</p> <p>The waste materials are tracked and waste receipts collected and retained.</p>	<p>Date Completed:</p> <p>By Who:</p>
6. Traceability and record keeping	<p>A site register is maintained and information recorded for each transport including the spoils:</p> <ul style="list-style-type: none"> - Origin (including consent) - Inspection and Test results - Volume (including number of truck movements) - Date of movement - Destination (including acceptance) 	
7. Incident Management & Review	<p>Failure to comply with the requirements of this protocol will be recorded as both an environmental incident and a nonconformity resulting in an investigation and corrective actions.</p>	<p>Date Completed:</p> <p>By Who:</p>

7. Related Documentation

Document Number	Document Title
Planning Permit No. 2008/0538/A	Planning Permit No. 2008/0538/A for the Use of Land and Construction for a Wind Energy Facility
Endorsed Document Condition 16 of the MSWF Planning Permit	Mortlake South Wind Farm Environmental Management Plan
Endorsed Document Condition 12 of the MSWF Planning Permit	Mortlake South Wind Farm Traffic Management Plan
Planning Permit No. PA1900603	Planning Permit No. PA1900603 for Use and development of Land for a Utility installation and removal of native vegetation
Planning Permit No. PA1900603	Planning Permit No. PA1900603 for Use and development of Land for a Utility installation and removal of native vegetation
Endorsed Document Condition 7 of PA1900603 & PA1900604	220kV Transmission Line Environmental Management Plan

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Endorsed Document Condition 9 of PA1900603 & PA1900604	220kV Transmission Line Traffic Management Plan
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8. Record of Changes

Rev.	Date	Description
0.1	5 December 2019	Draft for Review
1	6 December 2019	Issued for Approval
2	13 December 2019	Construction Review issued for approval
3	20 February 2020	Updated to include 220kV transmission line

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