Transgrid

People. Power. Possibilities.

HumeLink

Enabling Works Management Plan

[illegible]

Revision Details

[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]

Document Review

[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	*Sumaya Osman*	[illegible]

List of Appendices

Terminology

Term	Definition
ACHAR	Australian Cultural Heritage Advisory Report
AECs	Areas of Environmental Concern
AHIMS	Aboriginal Heritage Information Management System
ARI	Average Recurrence Interval
AS/NZS	Australian Standard/New Zealand Standard
ASSMAC	Acid Sulfate Soil Management Advisory Committee
BDAR	Biodiversity Development Assessment Report
CEMP	Construction Environmental Management Plan
CMS	Contamination Management System
CNVG	Construction Noise and Vibration Guideline
Commonwealth DCCEEW	Commonwealth Department of Climate Change, Energy, the Environment and Water
CSE	Coal Seam Gas
CSM	Conceptual Site Model
CSSI	Critical State Significant Infrastructure
DECC	Department of Energy, Climate Change and Water
DECCW	Department of Environment, Climate Change and Water
DPE	Department of Planning and Environment
DPHI	Department of Planning, Housing and Infrastructure
DPI	Department of Primary Industries
ECM	Environmental Control Map
EIS	Environmental Impact Statement
EMS	Environmental Management System
Enabling Works	Early construction activities, early procurement activities and other preparatory activities required to be undertaken before the commencement of construction, including but not limited to: • Establishment of temporary site access roads, minor clearing of vegetation, establishment of temporary site compounds, laydown areas and parking areas, installation of environmental controls, relocation of services, and other activities that are not likely to have a material adverse impact on the environment. • Establishment of permanent site access roads, bulk earthworks, establishment of permanent site compounds, laydown areas and parking areas, installation of environmental controls, relocation of services, and other activities that are not likely to have a material adverse impact on the environment. • Geotechnical investigations, surveying, potholing, test excavations, installation of groundwater monitoring bores, and other activities that are not likely to have a material adverse impact on the environment. • Minor realignment of existing utilities, fencing, hydrological drainage, bulk earthworks, and other activities that are not likely to have a material adverse impact on the environment. • Minor adjustments to existing road infrastructure, and other activities that are not likely to have a material adverse impact on the environment.
ENM	Excavated Natural Material
EPA	Environment Protection Authority
EPBC Act	*Environment Protection and Biodiversity Conservation Act 1999* (Cth)
ESCP	Erosion and Sediment Control Plan

Term	Definition
EWMP	
EWMS	
FCNSW	
GIS	
GPS	
HLE	
HLW	
Hold Point	
ICNG	
ISO	
KFH	
NDD	
NEM	
NEPM	
NOA	
NPWS	
NSW	
NSW DCCEEW	
OOHW	
PAD	
PBP	*Planning for Bush Fire Protection: A guide for councils, planners, fire authorities and developers*
POEO Act	*Protection of the Environment Operations Act 1997*
RFS	
SMS	
TCP	
TCWS	
TEC	
UMM	
VENM	
VMS	

[illegible]

1.1. Purpose

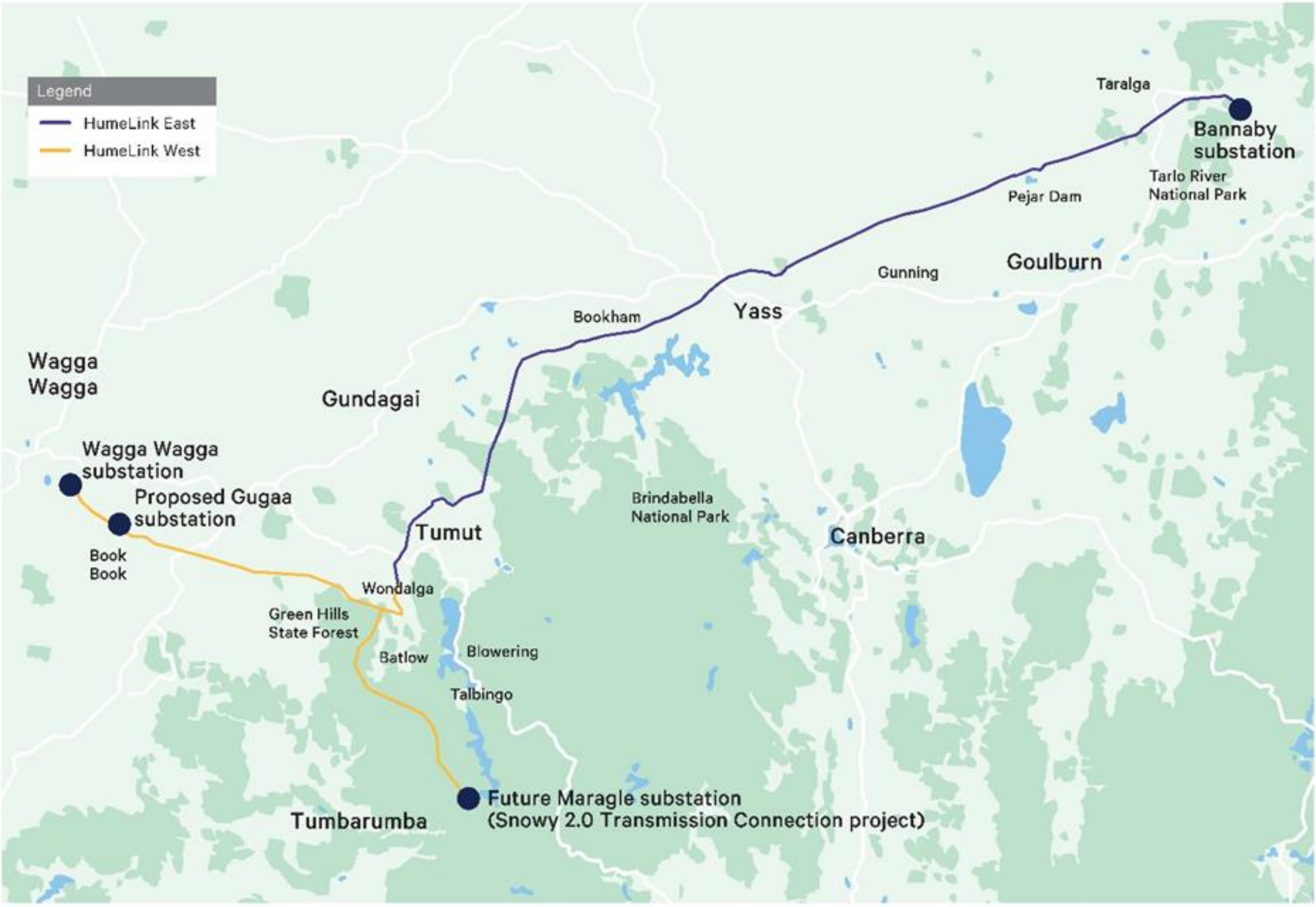
[illegible]

1.2. Background and overview of project

[illegible]

- [illegible]
- [illegible]

[illegible]


Legend
HumeLink East
HumeLink West
Taralga
Bannaby substation
Tarlo River National Park
Pejar Dam
Goulburn
Gunning
Yass
Bookham
Wagga Wagga
Gundagai
Wagga Wagga substation
Proposed Gugaa substation
Book Book
Tumut
Brindabella National Park
Canberra
Wondalga
Green Hills State Forest
Batlow
Blowering
Talbingo
Future Maragle substation
(Snowy 2.0 Transmission Connection project)
Tumbarumba

Official

1.3. Enabling works scope

[illegible]

- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]

[illegible]

1.4. Environmental management systems overview

[illegible]

[illegible]

- [illegible]
- [illegible]
- [illegible]
- [illegible]

[illegible]

[illegible]

[illegible]

2.1. Scope

[illegible]

- [illegible]
- [illegible]
- [illegible]

[illegible]

2.2. Environmental objectives

[illegible]

[illegible]

Aspect	Objective
[illegible]	• [illegible] • [illegible] • [illegible]
[illegible]	• [illegible] • [illegible]
[illegible]	• [illegible] • [illegible]
[illegible]	• [illegible]
[illegible]	• [illegible]
[illegible]	• [illegible] • [illegible] • [illegible] • [illegible]
[illegible]	• [illegible] • [illegible]
[illegible]	• [illegible]
[illegible]	• [illegible]

Aspect	Objective
	• [illegible]
[illegible]	• [illegible] *AS 4282 2019 Control of the obtrusive effects of outdoor lighting.*
[illegible]	• [illegible]
[illegible]	• [illegible] • [illegible] • [illegible] • [illegible]

[illegible]

3.1. Relevant legislation and guidelines

[illegible]

3.2. Updated mitigation measures

[illegible]

3.3. Approvals, permits and licences

[illegible]

- [illegible] *Roads Act 1993* [illegible]
- [illegible] *Water Management Act 2000* [illegible]
- [illegible] *Rural Fires Act 1997.*

4.1. Construction compounds and combined accommodation facilities and construction compounds

4.1.1. Site locations and layout

[illegible]

[illegible]

[illegible]

EIS / Amendment Report Compound number	Location	Purpose
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

EIS / Amendment Report Compound number	Location	Purpose
		[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

EIS / Amendment Report Compound number	Location	Purpose
		• [illegible] • [illegible] • [illegible] • [illegible] • [illegible]

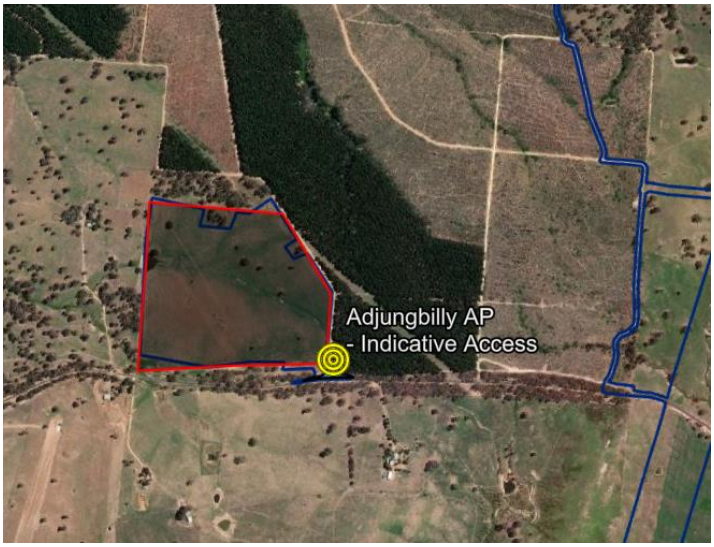
[illegible]

4.1.2. Activities required

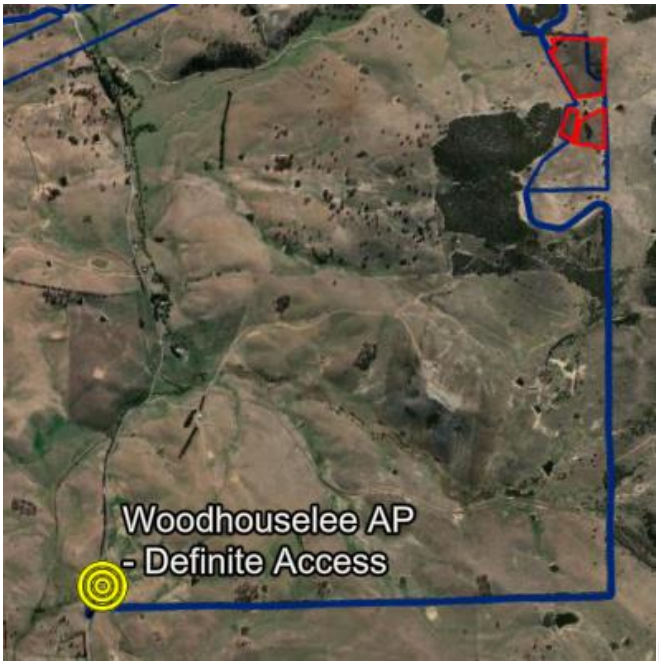
[illegible]

- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
  - [illegible]
  - [illegible]
  - [illegible]
  - [illegible]
  - [illegible]
  - [illegible]
  - [illegible]

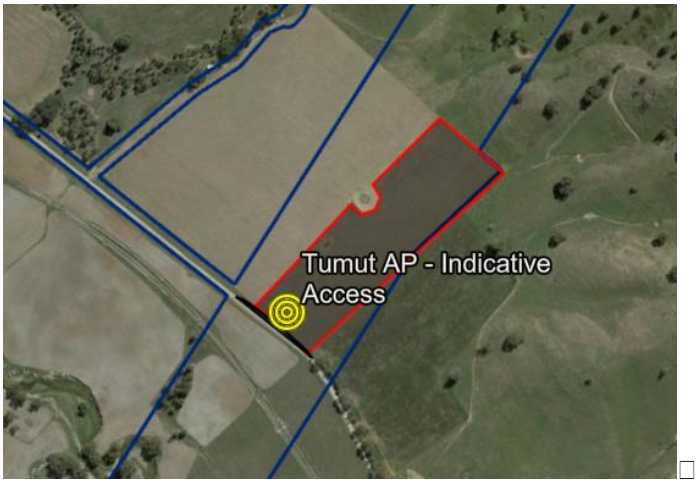
4.1.3. Access

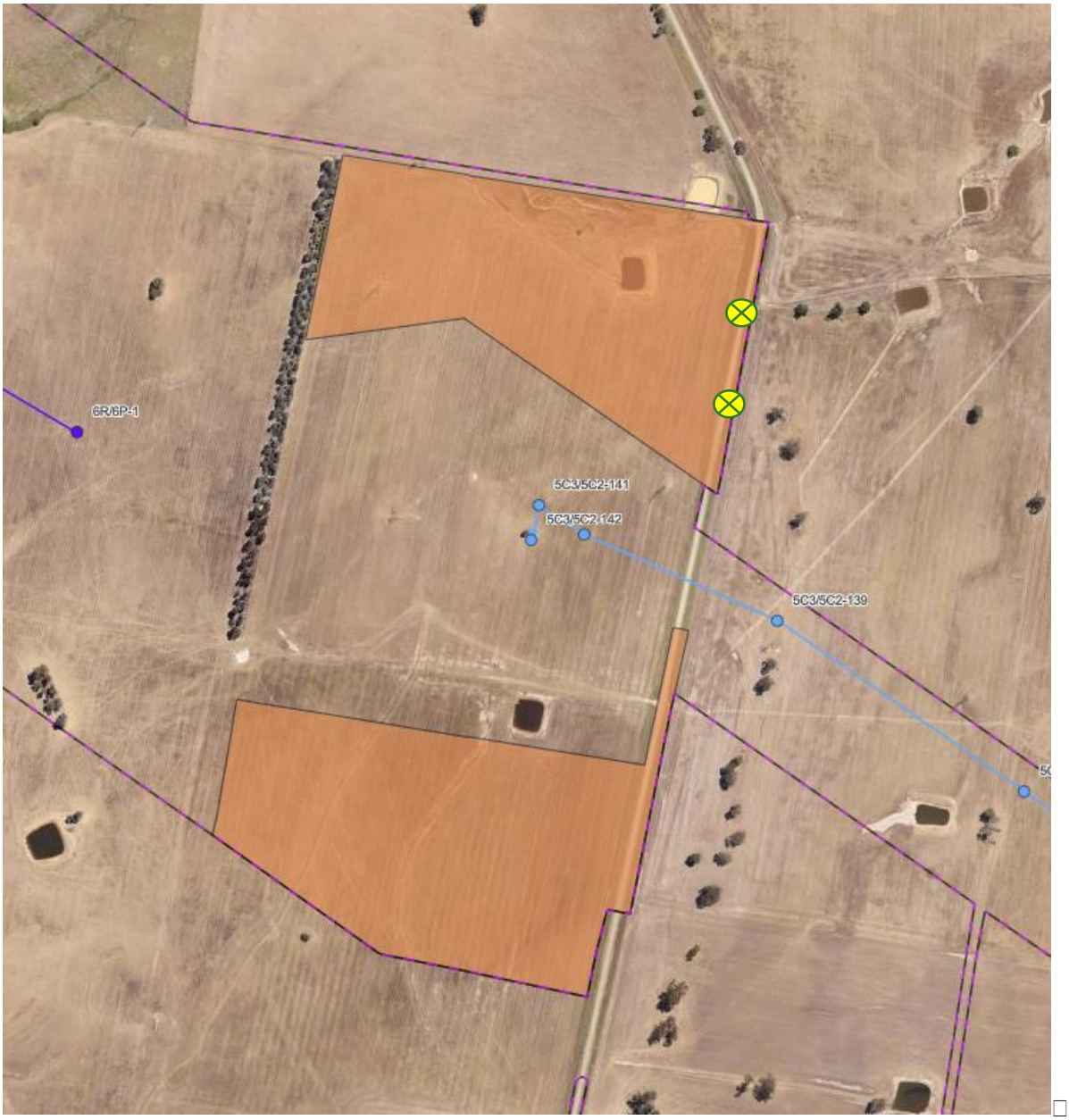

Adjungbilly AP
- Indicative Access


YASS AP - Definite
Access
YASS AP - Definite
Access


Woodhouselee AP
- Definite Access

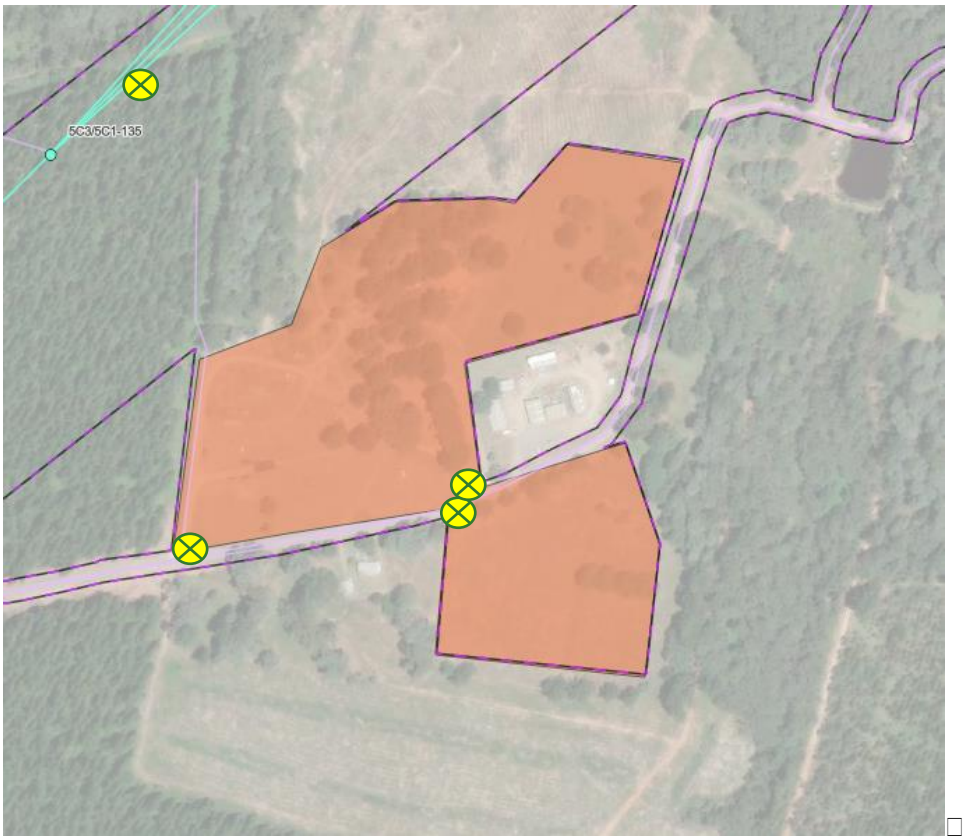

Bannaby AP - Indicative
Access


Tumut AP - Indicative
Access


6R/6P-1
5C3/5C2-141
5C3/5C2-142
5C3/5C2-139


5C3/5C2-49A
5C3/5C2-49B
5C3/5C2-48A
5C3/5C2-48B
5C3/5C2-47


5C3/5C1-88


5C3/5C1-135

[illegible]

4.1.4. Plant and equipment

[illegible]

- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]

4.2. Access track construction

4.2.1. Site location and layout

4.2.2. Activities required

-
-
-
-
-
-
-
-
-
  -
  -
  -
    -
    -

4.2.3. Plant and equipment

4.3. Utility works

4.3.1. Locations

4.3.2. Activities required

-
-
-
-
-
-

4.3.3. Plant and equipment

-
-
-
-
-
-
-
-
-
-
-
-
-

4.4. Enabling works program

4.5. Working hours

4.5.1. Out of hours works

[illegible]

[illegible]

5.1. Traffic and transport

[illegible]

[illegible]

Road	Road surface type
[illegible]	
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

Road	Road surface type
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

Road	Road surface type
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

Road	Road surface type
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

Road	Road surface type
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

Road	Road surface type
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

Road	Road surface type
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

Road	Road surface type
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

[illegible]

[illegible]

5.2. Noise and vibration

[illegible]

- [illegible]
- [illegible]
- [illegible]

[illegible]

[illegible]

[illegible]

Location	Nearest sensitive receiver[1]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

5.3. Biodiversity

[illegible]

[1] [illegible]

Constraint	Constraint level	Criteria

□

□□□□□□□□□□ □r □□□□□ □□□□□□□□□□ □□□d □□□□□□r □□□□□□□□□□□□□□d □□□□□□ □d □r □□□□□□□□□ □□r □□□□□□□□□□□□□□d □□□□□□□□□□□□□□d □□□□□□□□□□□□□□

[illegible]

Constraint level	AC04	AC05	AC06	C12	C19	Access tracks	Total
[illegible]*	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0 ha
[illegible]*	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	13.92 ha
[illegible]*	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	71.26 ha
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	86.27 ha
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	240.46 ha
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	261.51 ha

*** No-go, Very high and High biodiversity constraints may be within the vicinity of proposed enabling works (i.e. within the project footprint) but they will not be impacted.**

**** Not assigned denotes areas that have previously been disturbed and thus have no level of assigned biodiversity constraint.**

[illegible]

Constraint level	AC03	AC07	C01[1]	C06	C14	C17	C18	C21	Access tracks	Total
[illegible]*	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0 ha
[illegible]*	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0 ha
[illegible]*	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5.36 ha
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6.84 ha
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28.09 ha
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	197.53 ha

- *** No-go, Very high and High biodiversity constraints may be within the vicinity of proposed enabling works (i.e. within the project footprint) but they will not be impacted.**

**** Not assigned denotes areas that have previously been disturbed and thus have no level of assigned biodiversity constraint.**

- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]

- [illegible]
- [illegible]
- [illegible]
- [illegible]

- [illegible]
  - [illegible]
  - [illegible]
  - [illegible]
  - [illegible]
- [illegible]
- [illegible]

5.4. Biosecurity

5.5. Soil and water

5.6. Contaminated land

Location	NOA present?	AECs present?

Location	NOA present?	AECs present?
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

[illegible]

[illegible]

5.7. Cultural heritage

5.7.1. Aboriginal heritage

[illegible]

[illegible]

[illegible]

Location	Aboriginal heritage constraints
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

Location	Aboriginal heritage constraints
[illegible]	
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

[illegible]

- [illegible]
- [illegible]
- [illegible]
- [illegible]

- [illegible]

5.7.2. Non-Aboriginal heritage

[illegible]

- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]

[illegible]

[illegible]

- [illegible]

[illegible]

5.8. Air quality

[illegible]

- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]

[illegible]

5.9. Flood management

[illegible]

- [illegible]
- [illegible]

[illegible] HumeLink [illegible]

- [illegible]

[illegible]

5.10. Waste and resource use

[illegible]

5.11. Visual amenity

- [illegible]
- [illegible] *AS 4282 2019 Control of the obtrusive effects of outdoor lighting* [illegible]

5.12. Hazard and risk (including bushfire)

- [illegible]
- [illegible]
- [illegible]

[illegible]

[illegible]

Site	Category
[illegible]	Partially within 'Vegetation buffer' and 'Vegetation category 3'
[illegible]	Wholly within 'Vegetation category 3'
[illegible]	Partially within 'Vegetation buffer' and 'Vegetation Category 1'

Site	Category
[illegible]	Partially within ‘Vegetation buffer’
[illegible]	Wholly within ‘Vegetation category 3’
[illegible]	Wholly within ‘Vegetation category 3’
[illegible]	[illegible] ‘Vegetation category 1’
[illegible]	Wholly within ‘Vegetation category 1’
[illegible]	Partially within ‘Vegetation buffer’ [illegible] ‘Vegetation category 3’
[illegible]	Wholly within ‘Vegetation category 3’
[illegible]	Partially within ‘Vegetation buffer’ with the majority within ‘Vegetation category 3’

[illegible]

5.13. Land use and property

[illegible]

[illegible]

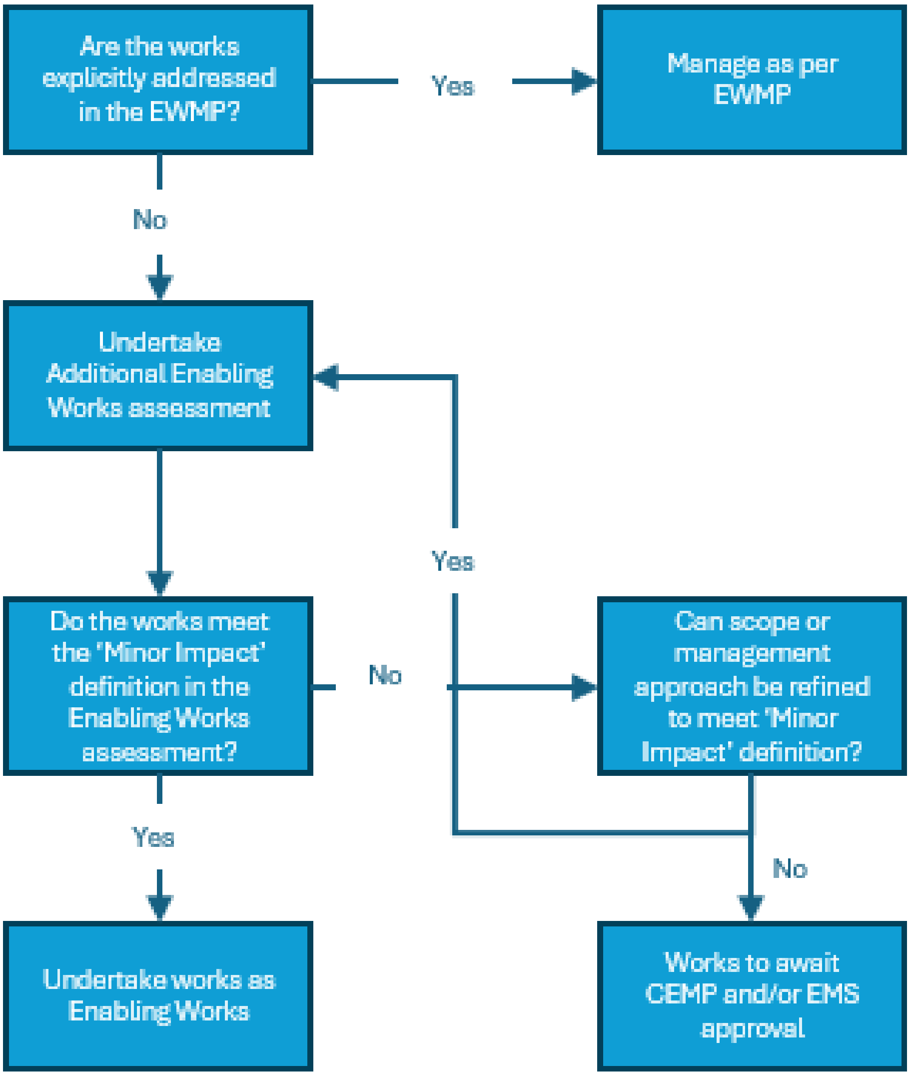
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]

[illegible]

[illegible]

6.1. Environmental management process

6.2. Additional enabling works



[illegible]

6.3. Environmental work method statements (EWMS)

[illegible]

[illegible]

[illegible]

[illegible]

- [illegible]

- [illegible]
- [illegible]
- [illegible]
- [illegible]

[illegible]

[illegible]

[illegible]

7.1. Environmental control maps

[illegible]

- [illegible]
- [illegible]
- [illegible]
- [illegible] construction contractor’s [illegible]
- [illegible]

[illegible]

[illegible]

7.2. Traffic control plans

7.3. Erosion and sediment control plans

7.4. Pre-clearing surveys

occur in locations where the ecologist identifies habitat and is typically referred to as ‘two stage clearing’.

7.5. Light spill

[illegible] R[illegible] [illegible] MM[illegible]

- [illegible] *AS/NZS 4282:2019 Control of Obtrusive Effects of Outdoor Lighting*[illegible]
- [illegible]
- [illegible]
- [illegible]

7.6. Hold points

[illegible] construction contractor's [illegible])[illegible]

[illegible]

Hold point and mitigation measure reference if relevant	Details/when required	Information	Responsibility for release of hold point
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

8.1. Roles and responsibilities

[illegible] construction contractor's [illegible] [illegible] M[illegible]

Role (nominee)	Responsibilities
[illegible]	• [illegible] • [illegible] • [illegible] • [illegible] • Support the implementation of the Project's Environment and [illegible] • [illegible] • [illegible]
[illegible]	• [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible]
[illegible]	• [illegible] • [illegible]

Role (nominee)	Responsibilities
	• [illegible] • [illegible] • [illegible] • [illegible]
[illegible]	• [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible]
[illegible]	• [illegible] • [illegible] • [illegible]
[illegible]	• [illegible] • [illegible] • [illegible] • [illegible]

Role (nominee)	Responsibilities
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

8.2. Training and inductions

[illegible]

[illegible]) will be required to undertake a visitor's induction and be accompanied by inducted [illegible]

8.3. Complaints management

[illegible]

- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]

[illegible]

[illegible]

8.4. Inspections

[illegible]

[illegible]

Activity	Frequency	Location	Responsibility	Record
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Activity	Frequency	Location	Responsibility	Record
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

8.5. Monitoring

[illegible]

[illegible]

Activity	Description	Timing and frequency
[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]
	[illegible]	[illegible]
	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

8.6. Auditing

[illegible]

8.7. Reporting

[illegible]

Report	Requirement	Timing
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

8.8. Corrective action management

[illegible]

[illegible]

- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]

[illegible]

[illegible]

[illegible]

9.1. Emergency preparedness

- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]

9.2. Incident identification

- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]

9.3. Incident classification

[illegible] rid's incident reporting procedures [illegible]

9.4. Environmental events and incident notification/Investigation

9.4.1. Incident notification

[illegible] *Protection of the Environment Operations Act 1997* [illegible]

[illegible]

9.4.2. Incident notification and reporting in accordance with the EPBC Act

[illegible]

9.4.3. Incident notification and reporting in accordance with the POEO Act

[illegible]

[illegible]

- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]

[illegible]

- [illegible]
- [illegible]

[illegible]

9.4.4. Investigation of incidents

[illegible]

[illegible]

10.1. Previous consultation

[illegible]

Transgrid's community and stakeholder engagement approach for HumeLink has been developed in line [illegible] Transgrid's broader [illegible].

[illegible]

- [illegible]
  - [illegible]
  - [illegible]
  - [illegible]
  - [illegible]
  - [illegible]
  - [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]

[illegible]

[illegible]

Stakeholder	Meeting date	Feedback and topics raised
DPHI - Crown Lands	[illegible]	• [illegible] • [illegible] • [illegible] • [illegible]
NSW DCCEEW – Heritage NSW	[illegible]	• [illegible] • [illegible] • [illegible]
Heritage Council of NSW	[illegible]	• [illegible] • [illegible]
NSW DCCEEW - BCS	[illegible]	• [illegible]
Transport for NSW (TfNSW)	[illegible]	• [illegible] • [illegible] • [illegible]
Forestry Corporation of NSW (FCNSW)	[illegible]	• [illegible] • [illegible] • [illegible] • [illegible] • [illegible]
Cootamundra-Gundagai Regional Council	[illegible]	• [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible]
Goulburn – Mulwaree Council	[illegible]	• [illegible] • [illegible] • [illegible] • [illegible] • [illegible]

Stakeholder	Meeting date	Feedback and topics raised
Snowy Valleys Council	[redacted]	[redacted] • [redacted] • [redacted] • Potential impacts to local roads and Transgrid's engagement with Council • [redacted] • [redacted]
Upper Lachlan Shire Council	[redacted]	• [redacted] • [redacted] • [redacted]
Wagga Wagga City Council	[redacted]	• [redacted] • [redacted] • [redacted] • [redacted] • [redacted] • [redacted] • [redacted] • [redacted] • [redacted] • [redacted] • [redacted]
Yass Valley Council	[redacted]	• [redacted] • [redacted] • [redacted] • [redacted] • [redacted]

Stakeholder	Meeting date	Feedback and topics raised
		• [illegible] • [illegible] • [illegible] • [illegible]

[illegible] M[illegible]

[illegible] M[illegible]

- [illegible] M[illegible])
- [illegible] M[illegible])
- [illegible] M[illegible])
- [illegible] M[illegible])
- [illegible])

[illegible]

10.2. Liaison with government authorities and other relevant stakeholders

[illegible]

[illegible]

[illegible]

10.3. Community liaison and/or notification

[illegible]

[illegible]

10.4. Digital notifications

[illegible]

[illegible]

[illegible]

[illegible]

- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]

10.5. Letterbox paper notifications

[illegible]

- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]

[illegible]

[illegible]

[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]

[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]

[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]		[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]

[illegible]	D[illegible]	[illegible]	D[illegible]
[illegible]	[illegible]	• [illegible] • [illegible] • [illegible]	R[illegible] • [illegible]
[illegible] M[illegible] ([illegible]M[illegible])	[illegible]M[illegible]	[illegible]	[illegible]M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]

[illegible]R[illegible]

11.1. Continuous improvement

[illegible] M[illegible]

- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]

11.2. EWMP amendment and assurance

[illegible]

[illegible]

- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]

[illegible]

Appendix A – Environmental management/mitigation measures

[illegible]

Mitigation Reference	Mitigation Measure	Timing/ frequency	Location	Responsibility	Source
General					
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Employer's R[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Biodiversity					
[illegible]	[illegible] • [illegible] • [illegible] • [illegible] • [illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Mitigation Reference	Mitigation Measure	Timing/ frequency	Location	Responsibility	Source
	minimise impacts to Golden Sun Moth and Key's Matchstick				
	•				
	•				
	•				
	•				

Mitigation Reference	Mitigation Measure	Timing/ frequency	Location	Responsibility	Source
	•		Sloane's Froglet		

Mitigation Reference	Mitigation Measure	Timing/ frequency	Location	Responsibility	Source

Mitigation Reference	Mitigation Measure	Timing/ frequency	Location	Responsibility	Source
	• [illegible] • [illegible] • [illegible]				
[illegible]	[illegible] • [illegible] • [illegible] • [illegible] [illegible] • [illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Mitigation Reference	Mitigation Measure	Timing/ frequency	Location	Responsibility	Source
	[illegible]				
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Mitigation Reference	Mitigation Measure	Timing/ frequency	Location	Responsibility	Source
	• [illegible] • [illegible] • [illegible] • [illegible] • [illegible]				
[illegible]	[illegible] qualified ecologist and identified as 'No disturbance' zones prior [illegible] [illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Aboriginal heritage					

Mitigation Reference	Mitigation Measure	Timing/ frequency	Location	Responsibility	Source
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Mitigation Reference	Mitigation Measure	Timing/ frequency	Location	Responsibility	Source

Mitigation Reference	Mitigation Measure	Timing/ frequency	Location	Responsibility	Source
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Non-Aboriginal heritage					
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Mitigation Reference	Mitigation Measure	Timing/ frequency	Location	Responsibility	Source
Land use and property					

Mitigation Reference	Mitigation Measure	Timing/ frequency	Location	Responsibility	Source
	• [illegible] • [illegible]				
[illegible]	[illegible]	D[illegible]	[illegible]	DM[illegible]	[illegible]
Social					
[illegible]	[illegible]	D[illegible]	[illegible]	[illegible]M[illegible]	[illegible]
Landscape character and visual impact[illegible]					
[illegible]	D[illegible]	D[illegible]	[illegible]	DM[illegible]M[illegible]	[illegible] [illegible]
[illegible]	[illegible]	D[illegible]	[illegible]	DM[illegible]M[illegible]	[illegible]
[illegible]	[illegible]	D[illegible]	[illegible]	DM[illegible]M[illegible]	[illegible] [illegible]
Noise and vibration[illegible]					
[illegible]	[illegible]	D[illegible]	[illegible]	[illegible]M[illegible]	[illegible]
[illegible]	[illegible]	D[illegible]	[illegible]	[illegible]M[illegible]	[illegible]

Mitigation Reference	Mitigation Measure	Timing/ frequency	Location	Responsibility	Source
	[illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible]				

Mitigation Reference	Mitigation Measure	Timing/ frequency	Location	Responsibility	Source
	r [illegible]				
[illegible]	[illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible]	D[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible] • [illegible] • [illegible] • [illegible]	D[illegible]	[illegible]	[illegible]	[illegible]
Soils, geology and contamination					
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Mitigation Reference	Mitigation Measure	Timing/ frequency	Location	Responsibility	Source
	[illegible] *Book 4 Dryland Salinity: Productive use of Saline Land and Water* [illegible] *Salinity Training Manual* [illegible]	[illegible]			
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible] *Acid Sulfate Soil Manual* [illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible] *How to Manage and Control Asbestos in the Workplace* [illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Mitigation Reference	Mitigation Measure	Timing/ frequency	Location	Responsibility	Source
Surface water and groundwater					
	•				

Mitigation Reference	Mitigation Measure	Timing/ frequency	Location	Responsibility	Source
	• [illegible] • [illegible] • [illegible] • [illegible] • [illegible]				

Mitigation Reference	Mitigation Measure	Timing/ frequency	Location	Responsibility	Source
	• [illegible] • [illegible] • [illegible]				
Hydrology and flooding					
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Hazards and risks					
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Mitigation Reference	Mitigation Measure	Timing/ frequency	Location	Responsibility	Source
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible] *Dangerous Goods (Road and Rail Transport) Act 2008* [illegible] *Australian Code for the Transport of Dangerous Goods by Road and Rail* [illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible] *Planning for Bush Fire Protection: A guide for councils, planners, fire authorities and developers requirements* [illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible] • [illegible] • [illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Traffic, transport and access					

Mitigation Reference	Mitigation Measure	Timing/ frequency	Location	Responsibility	Source
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Air quality					
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Mitigation Reference	Mitigation Measure	Timing/ frequency	Location	Responsibility	Source
	[illegible]				
[illegible]	[illegible] with manufacturer’s specifications.	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Mitigation Reference	Mitigation Measure	Timing/ frequency	Location	Responsibility	Source
	•				
Waste					

Mitigation Reference	Mitigation Measure	Timing/ frequency	Location	Responsibility	Source
Cumulative impacts					

Appendix B – Environment and sustainability policies

HumeLink East

acciona | GENUS

Environment & Sustainability Policy Statement

This policy statement applies to the HumeLink East Project.

AGJV's commitment to Environment & Sustainability focuses on our shared purpose to invest in, develop and operate infrastructure assets that make our planet more sustainable.

AGJV will develop and deliver regenerative infrastructure and assets that respond to global challenges and trends that affect our business, guided by principles established in our Sustainability Master Plan.

AGJV will continually improve the design, delivery and operation of our Projects with an intent of achieving net positive impacts within the construction footprint, the adjoining environment and the wider community.

AGJV is committed to:

- Taking a preventive approach to reduce the extent of our operations, through minimising pollution and impacts to local biodiversity and heritage.
- Mitigating the adverse effects of climate change through design and operation of our assets
- Improving efficiency across our activities to meet AGJV's goal of absolute net zero by 2050 through reducing energy and material consumption.
- Contributing to the Circular economy through reuse of materials, recycling and recovery of waste
- Reducing our reliance and overall consumption of potable water through water efficiency measures and use of alternative water sources
- Complying with legislative and client requirements that relate to business activities.
- Working with our supply chain to achieve sustainability outcomes in our workforce, for local businesses and in the products and services we procure.
- Facilitate economic prosperity through developing local workforce for the future renewable energy industry sector.
- Working with our clients, the local community, and stakeholders to develop regenerative solutions, sustainable practices and implement innovative outcomes.
- Include sustainable principles in the procurement process, by including social, environmental, and economic requirements in procurement documentation.
- Fostering a genuine commitment to environmental protection and a culture of best practice in all employees
- Regular monitoring and auditing of processes and activities in line with our AGJV Integrated Management System and objectives to identify preventive actions to enhance performance.

We are committed to maintaining, reviewing, and continually improving our environmental management systems to meet the requirement of the current standards related to the development, design, construction, maintenance, operation and asset management of all our activities.

Carel Nagel
Project Director (PD) Acciona Genus Joint Venture.

Date of Issue: 6th May 2024

UGL

Environment Policy

UGL management systems and processes underpin our commitment to achieving our One HSE Culture based on Risk Management, Standards, Communication and Involvement.

We prioritise environmental risk management by

- Taking steps to prevent pollution, conserve natural resources, protect cultural heritage, minimise waste and drive energy efficiency.
- Ensuring our operations, products and services comply with applicable legal and other requirements.
- Regular reviews of performance, identifying and implementing corrective and preventive actions that contribute to continually improving the environmental performance of our operations, products and services.

We set and reinforce high standards by

- Setting objectives and targets to reduce environmental risk and improve sustainability.
- Making continual improvements in environmental performance and protecting the environment.
- Implementing environmental systems and processes in accordance with ISO 14001to minimise environmental impacts, comply with legal and other obligations and improve environmental outcomes.
- Monitoring and evaluating performance to ensure environmental compliance and obligations are achieved.

We promote open communication by

- Communicating with our employees, clients, suppliers, contractors and community on our environmental performance.

We foster involvement by

- Providing appropriate environmental training to assist in meeting our objectives and reducing any adverse impacts on the environment.
- Promoting sustainable practices within our supply chain and reduce our broader environmental impacts.
- Requiring suppliers and subcontractors to operate in an environmentally responsible manner and adhere to relevant environmental requirements.

Managing Director UGL: _____ **Date:** 27/01/2021

(Doug Moss)

one HSE CULTURE

integrity accountability innovation delivery SAFETY

A MEMBER OF THE CIMIC GROUP CIMIC

HumeLink West Sustainability Policy

Purpose

This Policy outlines our sustainability management commitments for minimising environmental impacts, optimising social outcomes, fostering economic resilience, and continually improving our practices to contribute positively to the well-being of both current and future generations.

Application

This Policy is applicable to all employees and third parties under the management control of the HumeLink Joint Venture (HLJV), including alliances. It extends across all divisions of the organisation involved in the HumeLink West Project.

To achieve our sustainability management objectives, we will:

- **Integrate Sustainability:** We will establish project systems and processes, underpinned by strong project leadership, to ensure a shared responsibility for enhancing sustainability outcomes.
- **Achieve Certification:** We will seek certification for the HumeLink West project under the Infrastructure Sustainability Council's (ISC) IS Rating tool for Design and As Built.
- **Minimise our Environmental Footprint:** We are committed to minimising the environmental footprint during construction and operations by reducing energy, water, and resource consumption, minimising waste to landfill, and exploring renewable energy options.
- **Preserve Heritage and Environmental Values:** Our approach includes safeguarding and, whenever feasible, enhancing heritage and environmental values through appropriate design, planning, and management controls.
- **Build Expertise:** We will enhance the knowledge, awareness, and skills of our employees, contractors, and impactful suppliers by providing relevant training, information, and resources.
- **Ensure Climate Resilience:** Our commitment extends to delivering infrastructure that is resilient and adaptable to future challenges by assessing and responding to climate change.
- **Engage with the Community:** We will engage regularly and genuinely with communities and stakeholders to minimise project impacts while generating positive community outcomes.
- **Collaborate with Local and Indigenous Suppliers:** We will collaborate with local, regional, and Indigenous suppliers to foster innovative solutions, encourage sustainable practices, and promote the use of sustainable materials.
- **Create Economic Growth:** Our efforts will enhance local and regional economic growth through procurement practices, partnerships, and workforce development initiatives that leave a positive and lasting legacy for our communities and stakeholders.
- **Integrate sustainability in Procurement :** We are committed to integrating social, environmental, and economic aspects into the procurement process.

The HLJV is dedicated to leading, providing strong systems, and allocating resources to achieve outstanding sustainability results for the HumeLink West Project. We will collaborate closely with TransGrid and the HumeLink East delivery partners to optimise sustainability outcomes.

Our Project Director and the Sustainability Manager will ensure the integration of sustainability into the HumeLink West Project. The policy's objectives will be implemented by JV staff, subcontractors, and suppliers.

Policy Information

Document Number	HLW-HLJV-PRW-SU-POL-000001
Revision	A
Owner:	HLJV Sustainability Manager
Approved By:	HLJV Project Director
Effective date	5 December 2023

.....

Jim Maniord/ Project Director

Date: 05/12/23

Appendix C – Relevant legislation

Legislation	Relevant activity / aspect	Requirements	Reference	Responsibility
General				
Environment Protection and Biodiversity Conservation Act 1999 **(EPBC Act) (Commonwealth)**				
Environmental Planning and Assessment Act 1979 **(EP&A Act)**				
State Environmental Planning Policy (Planning Systems) 2021				
Protection of the Environment Operations Act 1997 **(POEO Act)**		•		
Biodiversity				
Biodiversity Conservation Act 2016 **(BC Act)**				

Legislation	Relevant activity / aspect	Requirements	Reference	Responsibility
Fisheries Management Act 1994				
Biosecurity Act 2015				
Local Land Services Act 2013				
EPBC Act				
Heritage				
***National Parks and Wildlife Act 1974* (NP&W Act)**				
Aboriginal and Torres Strait				

Legislation	Relevant activity / aspect	Requirements	Reference	Responsibility
***Islander Heritage Protection Act 1984* (Commonwealth)**				
Heritage Act 1977				
Water				
Water Management Act 2000* and *Water 1912				

Legislation	Relevant activity / aspect	Requirements	Reference	Responsibility
Noise				
POEO Act				
Contaminated material				
POEO Act				
Contaminated Land Management Act 1997				
Waste				

Legislation	Relevant activity / aspect	Requirements	Reference	Responsibility
POEO Act				

Legislation	Relevant activity / aspect	Requirements	Reference	Responsibility
Protection of the Environment Operations (Waste) Regulation 2005				
Waste Avoidance and Resource Recovery Act 2001				
Traffic				
Roads Act 1993				
Hazard and risk				
Environmentally Hazardous Chemicals Act 1985				
Dangerous Goods (Road and Rail Transport) Act 2008				
Pesticides Act 1999				

Legislation	Relevant activity / aspect	Requirements	Reference	Responsibility
Rural Fires Act 1997				

Appendix D – Environmental Control Maps

HumeLink East	**Environmental Control Map (ECM)** **Project:** HumeLink East **Work Package /Location:** Camps and Compounds	**Revision**: 1 **Date**: XX **Page:** 1 of 7

Document Control and Approval:	XXX	**Prepared by**:	XXX
Revision Number:	1	**Reviewed by:**	XXX
Revision Date:	XXX	**Reason for update:**	XXX

Location and Scope of works covered by this ECM includes:
Enabling works including stockpiling; earthworks; drainage works.

General ECM Notes:

1. This ECM has been prepared to enable field staff to be aware of onsite environmental constraints and to provide guidance on the installation of environmental control measures and controls listed here apply to all subsequent maps.
2. Prior to work commencing, delineate sensitive areas within 50m of proposed construction activities. Fencing is to be in accordance with the Sensitive Area Fencing Protocol. No work is to commence within delineated sensitive areas until clearance has been confirmed and the AGJV Environmental Manager has confirmed that fencing can be removed.
3. Any ground disturbance or clearing require a 'Land Disturbance Permit' prior to works commencing.
4. No entry into a fenced off area without Approval by the Environmental Manager, unless work is related to the constraint that is fenced (e.g. heritage salvage within a heritage site)
5. This ECM is to be used in conjunction with relevant environmental documents ie(Environmental Work Method Statements (EWMS) and Construction Environmental Management Plans (CEMP), Progressive Erosion and Sediment Control Plans (PESCPS).
6. This plan is to be revised progressively as site conditions or construction methods are determined.
7. Controls (including environmental monitors, etc) shown on plans are indicative only. Exact location will be modified to suit site conditions and function provided they are located within the project boundaries. Controls will also be established on an as needs basis, i.e. controls marked on the plan may not be installed until the associated work commences.
8. Unexpected finds must be managed in accordance with the Unexpected Finds Procedure.
9. Site access – biosecurity measures to be implemented at site access as required.
10. Topsoil, unsuitable and other general stockpiles in place for greater than 30 days to be located in areas marked on plan. Minor temporary stockpiles will be established as works progress and are to have appropriate erosion and sediment controls in place.
11. This site is likely to contain snakes, threatened fauna and other protected native fauna which are not marked on this ECM. Report all potential fauna impacts that may (or have) resulted due to construction works. Work is to cease prior to any fauna is impacted – contact the Environment Manager below.
12. Habitat features marked on plan are to be removed only in the presence and under the guidance of the project Ecologists (East Cost Ecology). This will require a two-stage clearing process for habitat trees.
13. Spill kits are located at basins, compounds and within AGJV vehicles. Locations are indicative on the plan. Contain and report all spills immediately.
14. Works to be conducted during normal working hours (0700-1800 Monday to Friday, 0800-1300 Saturday). Permit for Out of Hours Work required for all works outside these hours. Check with the area supervisor for approved out of hours works. Unnecessary noise onsite to be kept to a minimum.
15. Unexpected heritage finds protocol is in place. Stop work in the area and contact the AGJV Environment Manager (who will contact TG Environment Manager and Project Archaeologist) if any suspected aboriginal heritage items are found.
16. Additional requirements outlined in PMP to be implemented.
17. All layouts shown on plan are indicative only. Exact location will be modified to suit site conditions and function provided they are located within clearing limits and EIS limits where appropriate.
18. All site offices, accommodation facilities and any combustible or flammable storage and materials must be located outside the site APZ.
19. Moderate and High Heritage sensitivity layers are subject to further assessment as per the Updated Mitigation Measures. Layers will be updated post this assessment.
20. Refer to Table 5-3 of the EWMP for the definitions of the ecology constraint layers.

General notes relating to Erosion and Sediment Control:

1. All erosion and sediment controls generally to be constructed and maintained in accordance with the 'blue book'.
2. Temporary controls additional to those shown on this plan may be required by the progression of works or weather conditions. PESCPs will be developed to detail environmental erosion and sediment controls for construction stages.
3. Any tracking of sediments to roadways to be controlled by stabilised access/egress points and removed as required.
4. The principal of 'minimal disturbance' to be implemented until topsoil stripping of the catchment is required.
5. Areas that are not disturbed or used (>20 days) are to be stabilised to managed dust. This could include the use of hessian, mulches or stabilisers to cover exposes areas as soon as possible after completion of earthworks where it is not possible to re-vegetate or cover with topsoil. Watercarts to be utilised during active works. All plant and vehicles to utilise existing tracks.
6. Dust controls to be regularly conducted with water carts and soil stockpiles stabilised with temporary cover if required. High dust generating activities to be monitored and ceased during periods of high winds.
7. Construction activities to be modified, reduced or controlled during high or unfavourable wind conditions if they have the potential to increase off-site dust generation.
8. Controls will be inspected prior to, during and post rainfall causing runoff and at a minimum weekly. Maintenance and repairs to be carried out as required.
9. 'Clean water' flow is to be maintained around the site with separation between construction or 'dirty' waters if run-on water catchments are present.
10. 'Dirty water' flow must be diverted to local temporary control measures.
11. Sediment basins and dewatering activities are to be managed in accordance with the Soil and Water Management Plan (SWMP) and relevant Environmental Work Method Statements (EWMS).
12. 'Dirty water' that cannot be directed to sediment basin must be diverted to local temporary control measures (e.g. sediment fences, mulch bunds, turkey nests or sumps).
13. Disturbed areas are to be progressively revegetated with sterile cover crop or permanent revegetation design. Temporary controls are to remain until site is stabilised (70% soil surface cover).
14. Controls shown on plan are indicative only. Exact location will be modified to suit site conditions and function provided they are located within clearing limits and EIS limits where appropriate.

Key contacts:	
Superintendent:	XXXX XXX XXX
Supervisor:	XXXX XXX XXX
Environmental Manager:	XXXX XXX XXX
Construction Manager:	XXXX XXX XXX
Community Line:	XXXX XXX XXX

Project Footprint

Enabling Works Footprint

Receiver Points

Strahler order 2 and above

Waterway

Waterbody

Heritage

Historic Site Locations

ACHAR Trees

ACHAR Sites

AHIMS and ACHAR Site Locations

Additional RAP Identified Trees

Historic Site Areas

Historic Sites 1 & 2

Womens site (Derringullen Creek)

PAD Sites

Site Controls

Environmental Monitoring

Spill Kit

Chemical Storage (Indicative)

Access Point (Indicative)

Archaeological Sensitivity - Subsurface Model

High

Moderate

Contamination - Potential Areas of Concern

Risk Rating

Moderate

Asbestos Potential

Low

Medium

High

Consolidated Ecology Constraint Level

Very high

High

Moderate

Low

NSW Trade & Investment, Resources and Energy, 2013

HumeLink East Project

Bannaby Substation Compound (C12)

Legend

- Project Footprint
- Enabling Works Footprint
- Strahler order 2 and above

Heritage

- AHIMS and ACHAR Site Locations

Archaeological Sensitivity - Subsurface Model

- High
- Moderate

Contamination - Potential Areas of Concern

Risk Rating

- Moderate

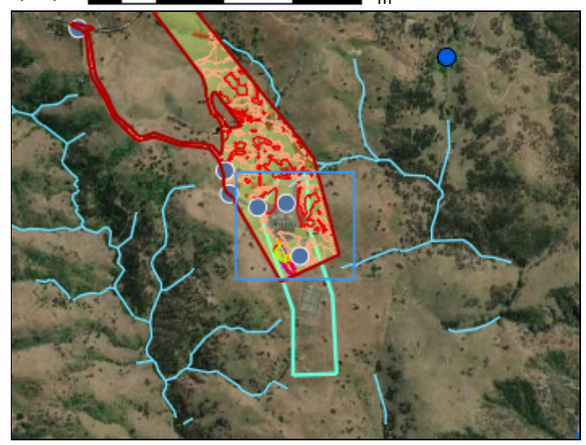
Consolidated Ecology Constraint Level

- High
- Low

Site Controls

- Environmental Monitoring
- Spill Kit
- Chemical Storage (Indicative)

0 50 100 m



HumeLink East

acciona | GENUS

HumeLink East Project

Yass Accommodation Camp (AC05)

Legend

- Project Footprint
- Enabling Works Footprint
- Strahler order 2 and above

Archaeological Sensitivity - Subsurface Model

- High
- Moderate

Consolidated Ecology Constraint Level

- High

Site Controls

- Environmental Monitoring
- Spill Kit
- Chemical Storage (Indicative)
- Access Point (Indicative)

Conductors Laydown Area

Steel Laydown Area

Yass facility and compound

Laydown

Crib sheds / Amenities

Material / PlantLaydown Area

Refuelling Area

Waste Bin Area

0 50 100 m

HumeLink East

acciona | GENUS

HumeLink East Project

Gadara Road compound (C19)

Legend

Project Footprint

Enabling Works Footprint

Heritage

AHIMS and ACHAR Site Locations

Archaeological Sensitivity - Subsurface Model

High

Moderate

Diversion Channel

Asbestos Potential

Low

High

Consolidated Ecology Constraint Level

High

Moderate

Site Controls

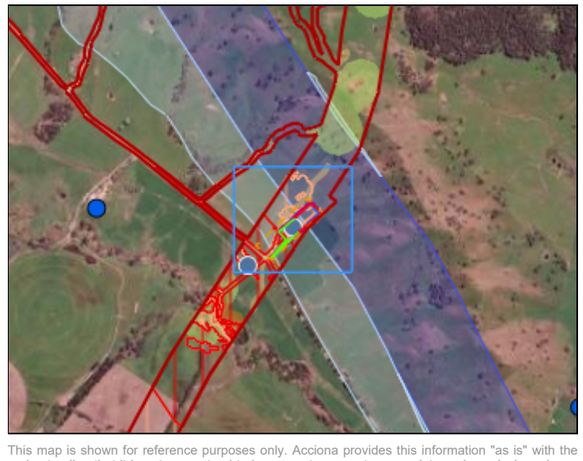
Environmental Monitoring

Spill Kit

Chemical Storage (Indicative)

Access Point (Indicative)

0 50 100 m



Plant Parking

Laydown Area

Refuelling Area

Waste Bin Area

Laydown Area

NSW Trade & Investment, Resources and Energy, 2013

HumeLink East

acciona | GENUS

HumeLink East Project

Adjungbilly Accommodation Camp (AC04)

Legend

- Project Footprint
- Enabling Works Footprint

Consolidated Ecology Constraint Level

- High
- Low

Site Controls

- Environmental Monitoring
- Spill Kit
- Chemical Storage (Indicative)
- Access Point (Indicative)

Waste Bin Area

Laydown for Material / plant

Adjungbilly compound

Steel and hardware laydown

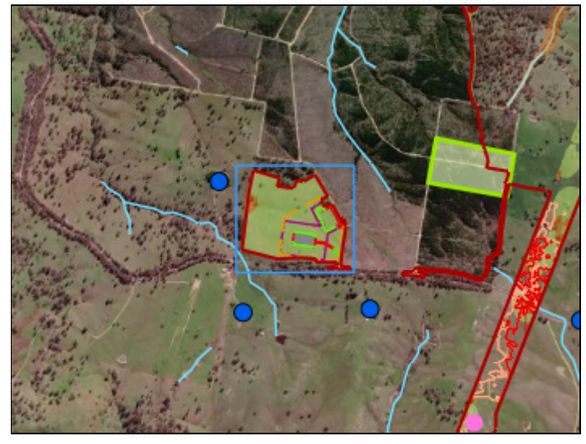
Accommodation

Office and Amenities

Waste Bin Area

Refuelling Area

0 50 100 m



HumeLink East

acciona | GENUS

HumeLink East Project

Crookwell Accommodation Camp (AC06)

Legend

- Project Footprint
- Enabling Works Footprint

Heritage

- AHIMS and ACHAR Site Locations

Archaeological Sensitivity - Subsurface Model

- High
- Moderate

Consolidated Ecology Constraint Level

- High
- Moderate
- Low

Site Controls

- Environmental Monitoring
- Spill Kit
- Chemical Storage (Indicative)

Accommodation

Tree removed by wind farm project

Laydown Area

Waste Bin Area

Refueling Area

0 50 100 m

HumeLink East

acciona | GENUS

NSW Trade & Investment, Resources and Energy, 2013

UGL CPB Contractors	**Environmental Control Map (ECM)** **Project: HLW** **Work Package: Wagga 330kV substation compound (C01)**	**Revision:** [illegible] **Date:** [illegible]

General ECM Notes:

1) [illegible]
2) [illegible]
3) [illegible]
4) [illegible]
5) [illegible]
6) [illegible]
7) [illegible]
8) [illegible]
9) [illegible]
10) [illegible]
11) [illegible]
12) [illegible]
13) [illegible]
14) [illegible]
15) [illegible]
16) [illegible]
17) [illegible]
18) [illegible]
19) [illegible]
20) [illegible]
21) [illegible]

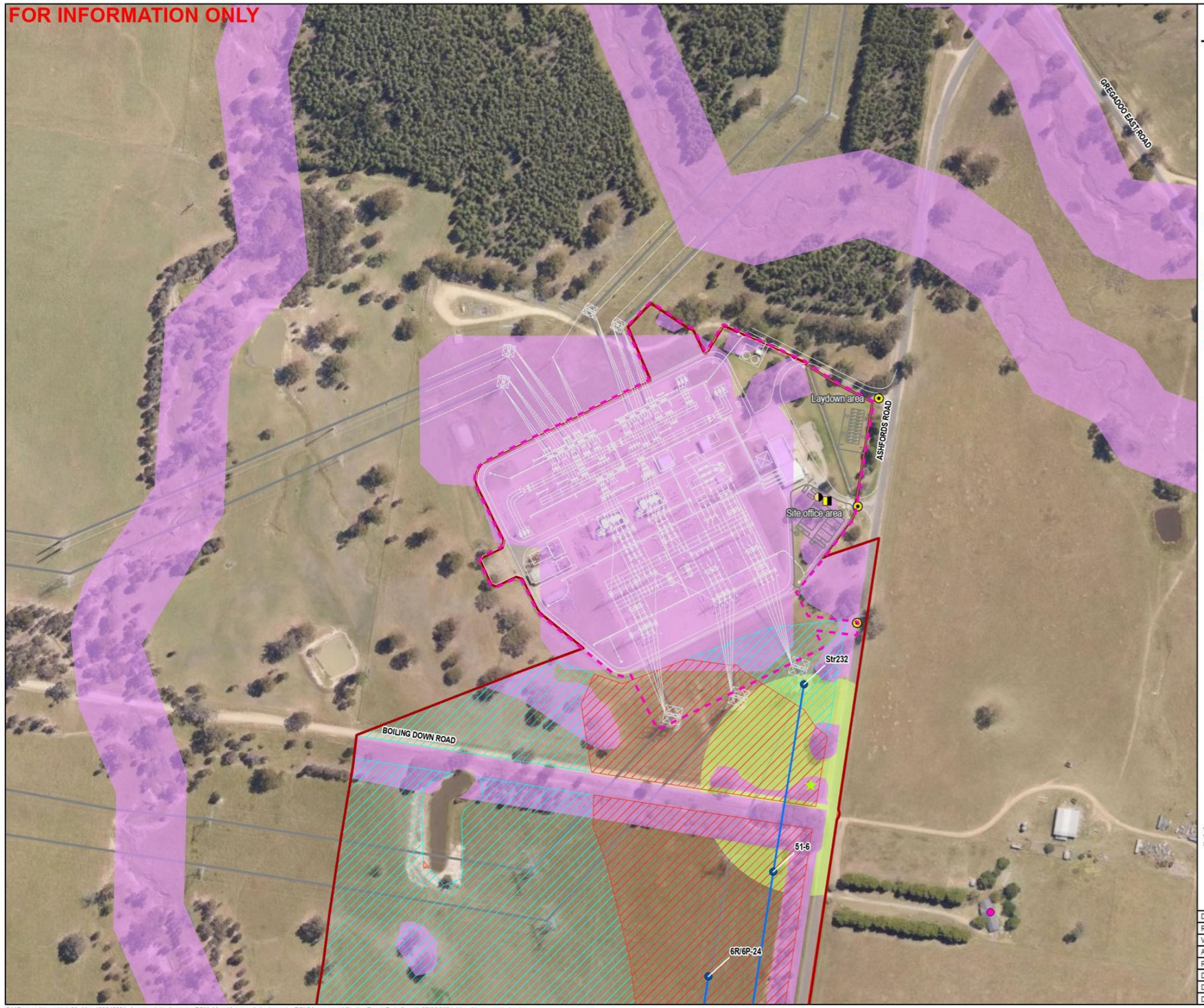
General notes relating to Erosion and Sediment Control:

1) [illegible]
2) [illegible]
3) [illegible]
4) [illegible]
5) [illegible]
6) [illegible]
7) [illegible]
8) [illegible]
9) [illegible]
10) [illegible]
11) [illegible]
12) [illegible]
13) [illegible]
14) [illegible]
15) [illegible]
16) [illegible]

Scope of works covered by this ECM includes: [illegible]

Key contacts: [illegible]

FOR INFORMATION ONLY



Transgrid | UGL | CPB CONTRACTORS

N

0 50 100 200

Meters

Datum: GDA2020 Projection MGA Zone 55

Scale: 1:4,000 (when printed at A3)

Legend

General

- Project footprint
- Indicative transmission line structure
- Indicative transmission line alignment
- Enabling Works Footprint

Heritage Sensitivity Layer - Subsurface

- High
- Moderate

Ecology Constraint layer - (Refer Table 5-3 of the EWMP)

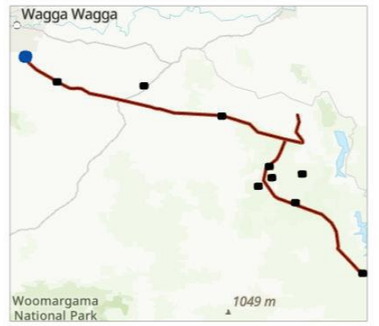
- Hollow bearing trees
- High
- Moderate
- Low

Monitoring locations / Sensitive receivers

- Sensitive receiver

Site Controls (indicative locations only)

- Access points
- Chemical storage
- Spill kit



World Topographic Map: Vicmap, Esri, TomTom, Garmin, FAO, NOAA, USGS
World Imagery: Maxar
NSW TG_HumeLink 2022-03-01:

DRAWN:	GK
REVIEWED:	II
VERIFIED:	II
APPROVED:	II
REV:	A
DATE:	25/06/2024
DESCRIPTION:	Issued for Internal Review
DRAWING NO:	

ENVIRONMENTAL CONTROL MAP

Wagga 330kV substation compound (C01)

G:\Projects\HumeLink\20_Maps\20240624_AccomodationLayouts_ECM_Maps\AccomodationLayouts_ECMMaps.aprx (A3L_JoelBase) Date Saved: 25/06/2024 User Name: geeta.kumar

UGL | CPB CONTRACTORS	**Environmental Control Map (ECM)** **Project: HLW** **Work Package: Memorial Avenue Compound (C14)**	**Revision** Dr **Date**

General ECM Notes:

)
)
)
)
)
)
)
)
)
)
)
)
)
)
)
)
)

General notes relating to Erosion and Sediment Control:

)
)
)
)
)
)
)
)
)
)
)
)
)
)
)
)
)

Scope of works covered by this ECM includes:

Key contacts:

FOR INFORMATION ONLY

Transgrid | UGL | CPB CONTRACTORS

N

0 25 50 100

Meters

Datum: GDA2020 Projection MGA Zone 55

Scale: 1:2,000 (when printed at A3)

Legend

General

- Project footprint
- Enabling Works Footprint

Heritage Sensitivity Layer - Subsurface

- Moderate

Ecology Constraint layer - (Refer Table 5-3 of the EWMP)

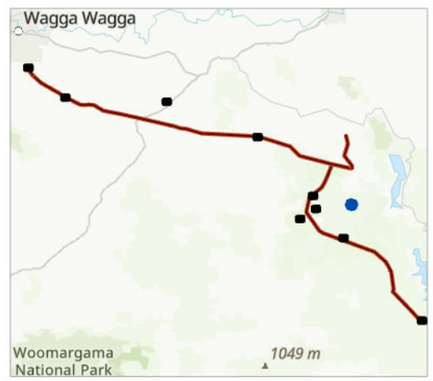
- Hollow bearing trees
- Moderate
- Low

Monitoring locations / Sensitive receivers

- Sensitive receiver

Site Controls (indicative locations only)

- Access points
- Chemical storage
- Spill kit



World Topographic Map: Vicmap, Esri, TomTom, Garmin, FAO, NOAA, USGS
World Imagery: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
NSW TG_HumeLink_GreenHills 2024-02-01:
NSW TG_HumeLink 2022-03-01:

DRAWN:	GK
REVIEWED:	II
VERIFIED:	II
APPROVED:	II
REV:	A
DATE:	26/06/2024
DESCRIPTION:	Issued for Internal Review
DRAWING NO:	

ENVIRONMENTAL CONTROL MAP

Memorial Avenue compound (C14)

G:\Projects\HumeLink\20_Maps\20240624_AccomodationLayouts_ECM_Maps\AccomodationLayouts_ECMMaps.aprx (A3L_JoelBase) Date Saved: 26/06/2024 User Name: geeta.kumar

UGL CPB CONTRACTORS	**Environmental Control Map (ECM) Project: HLW** **Work Package: Snubba Rd Compound (C18)**	**Revision:** *DRAFT* **Date:** [illegible]

General ECM Notes:

1. [illegible]
2. [illegible]
3. [illegible]
4. [illegible]
5. [illegible]
6. [illegible]
7. [illegible]
8. [illegible]
9. [illegible]
10. [illegible]
11. [illegible]
12. [illegible]
13. [illegible]
14. [illegible]
15. [illegible]
16. [illegible]
17. [illegible]
18. [illegible]
19. [illegible]
20. [illegible]
21. [illegible]

General notes relating to Erosion and Sediment Control:

1. [illegible]
2. [illegible]
3. [illegible]
4. [illegible]
5. [illegible]
6. [illegible]
7. [illegible]
8. [illegible]
9. [illegible]
10. [illegible]
11. [illegible]
12. [illegible]
13. [illegible]
14. [illegible]
15. [illegible]
16. [illegible]

Scope of works covered by this ECM includes: [illegible]

Key contacts: [illegible]

FOR INFORMATION ONLY

Transgrid UGL CPB CONTRACTORS

N

0 50 100 200

Meters

Datum: GDA2020 Projection MGA Zone 55

Scale: 1:4,000 (when printed at A3)

Legend

General

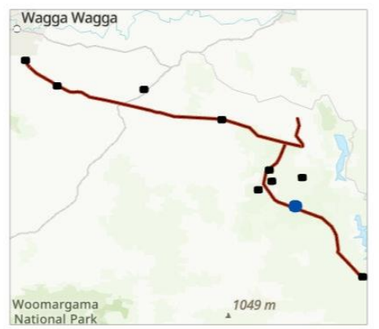
- Project footprint
- Indicative transmission line structure
- Indicative transmission line alignment
- Enabling Works Footprint

Ecology Constraint layer - (Refer Table 5-3 of the EWMP)

- High

Site Controls (indicative locations only)

- Access points
- Chemical storage
- Spill kit



World Topographic Map: Vicmap, Esri, TomTom, Garmin, FAO, NOAA, USGS
NSW TG_HumeLink_GreenHills 2024-02-01:
World Imagery: Maxar
NSW TG_HumeLink 2022-03-01:

DRAWN:	GK
REVIEWED:	II
VERIFIED:	II
APPROVED:	II
REV:	A
DATE:	25/06/2024
DESCRIPTION:	Issued for Internal Review
DRAWING NO:	

ENVIRONMENTAL CONTROL MAP

Snubba Road compound (C18)

G:\Projects\HumeLink\20_Maps\20240624_AccomodationLayouts_ECM_Maps\AccomodationLayouts_ECMMaps.aprx (A3L_JoelBase) Date Saved: 25/06/2024 User Name: geeta.kumar

Environmental Control Map (ECM) Project: HLW
Work Package: Tarcutta Accommodation Facility and Compound (AC03)

[illegible]
[illegible]

General ECM Notes:

- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]

General notes relating to Erosion and Sediment Control:

- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]

Scope of works covered by this ECM includes: [illegible]

Key contacts: [illegible]

FOR INFORMATION ONLY

Transgrid UGL CPB CONTRACTORS

N

0 50 100 200

Meters

Datum: GDA2020 Projection MGA Zone 55
Scale: 1:4,000 (when printed at A3)

Legend

General

- Project footprint
- Enabling Works Footprint

Heritage Sensitivity Layer - Subsurface

- High
- Moderate
- AHIMS location

Ecology Constraint layer - (Refer Table 5-3 of the EWMP)

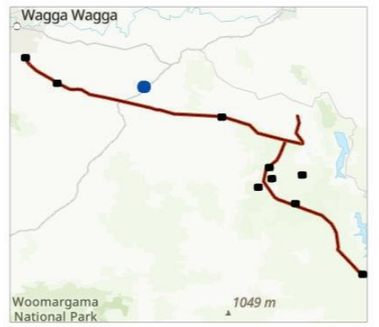
- Low

Monitoring locations / Sensitive receivers

- Sensitive receiver
- Monitoring location (dust)

Site Controls (indicative locations only)

- Access points
- Chemical storage
- Spill kit



World Topographic Map: Vicmap, Esri, TomTom, Garmin, FAO, NOAA, USGS
World Imagery: Maxar
NSW TG_HumeLink 2022-03-01:

DRAWN:	GK
REVIEWED:	II
VERIFIED:	II
APPROVED:	II
REV:	A
DATE:	25/06/2024
DESCRIPTION:	Issued for Internal Review
DRAWING NO:	

ENVIRONMENTAL CONTROL MAP

Tarcutta accommodation facility and compound (AC03)

G:\Projects\HumeLink\20_Maps\20240624_AccomodationLayouts_ECM_Maps\AccomodationLayouts_ECMMaps.aprx (A3L_JoelBase) Date Saved: 25/06/2024 User Name: geeta.kumar

UGL CPB Contractors	**Environmental Control Map (ECM)** **Project: HLW** **Work Package: Ellerslie Road Compound (C21)**	**Revision** [illegible] **Date** [illegible]

General ECM Notes:

[illegible]

General notes relating to Erosion and Sediment Control:

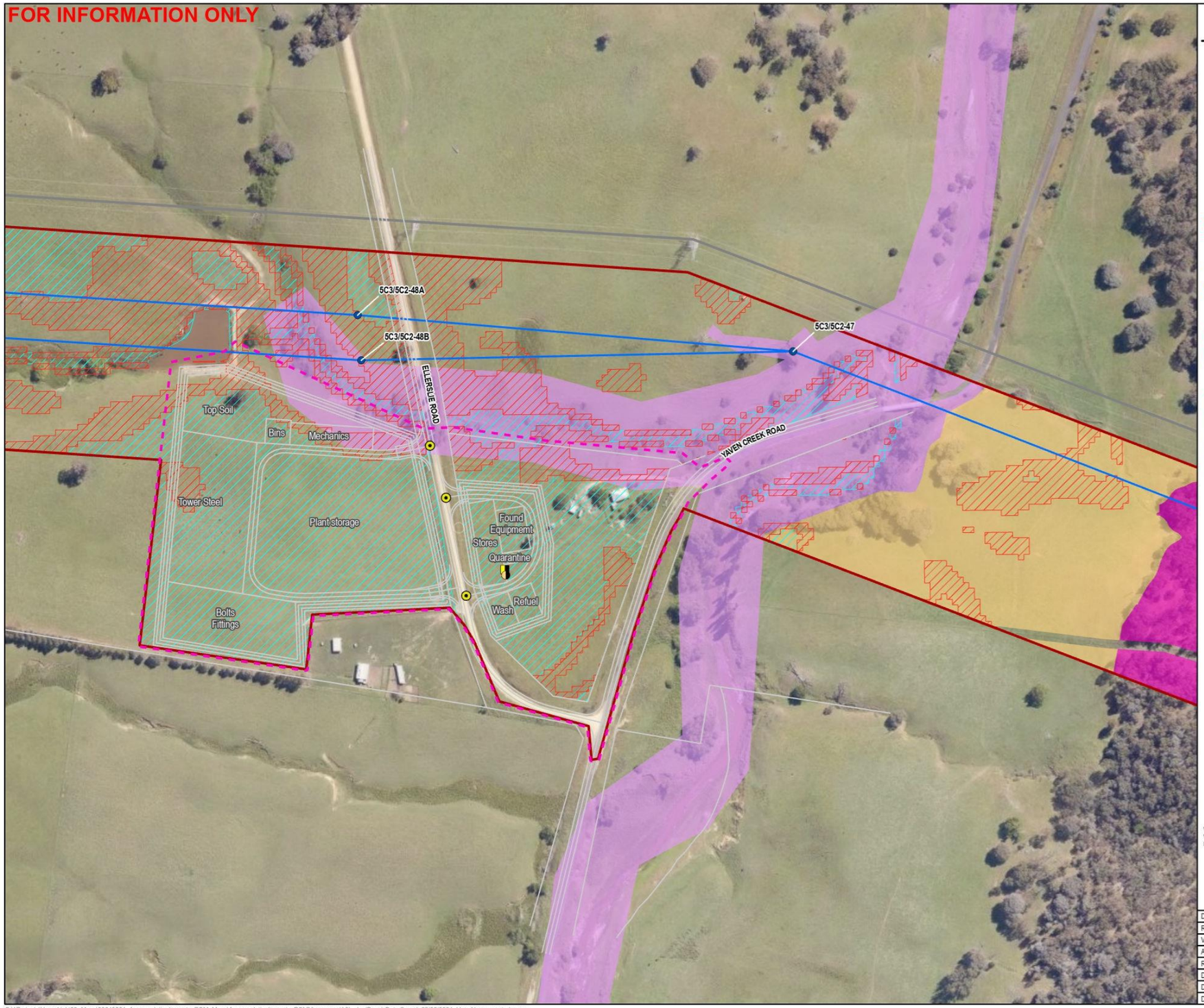
[illegible]

Scope of works covered by this ECM includes: [illegible]

Key contacts:

[illegible]

FOR INFORMATION ONLY



Transgrid | UGL | CPB CONTRACTORS

N

0 50 100 200

Meters

Datum: GDA2020 Projection MGA Zone 55

Scale: 1:4,000 (when printed at A3)

Legend

General

- Project footprint
- Indicative transmission line structure
- Indicative transmission line alignment
- Enabling Works Footprint

Heritage Sensitivity Layer

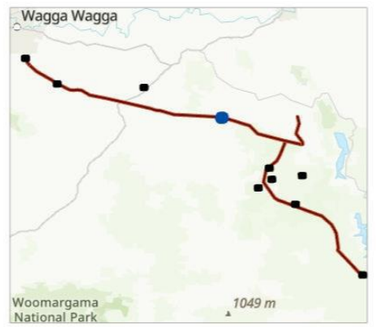
- High
- Moderate

Ecology Constraint layer - (Refer Table 5-3 of the EWMP)

- Very high
- High
- Moderate
- Low

Site Controls (indicative locations only)

- Access points
- Chemical storage
- Spill kit



World Topographic Map: Vicmap, Esri, TomTom, Garmin, FAO, NOAA, USGS
World Imagery: Maxar
NSW TG_HumeLink 2022-03-01:

DRAWN:	GK
REVIEWED:	II
VERIFIED:	II
APPROVED:	II
REV:	A
DATE:	25/06/2024
DESCRIPTION:	Issued for Internal Review
DRAWING NO:	

ENVIRONMENTAL CONTROL MAP

Ellerslie Road compound (C21)

G:\Projects\HumeLink\20_Maps\20240624_AccomodationLayouts_ECM_Maps\AccomodationLayouts_ECMMaps.aprx (A3L_JoelBase) Date Saved: 25/06/2024 User Name: geeta.kumar

UGL | CPB CONTRACTORS

Environmental Control Map (ECM)
Project: HLW
Work Package: Green Hills Accommodation Facility and Compound (AC07)

Revision [illegible]
Date [illegible]

General ECM Notes:

[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]

General notes relating to Erosion and Sediment Control:

[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]

Scope of works covered by this ECM includes: [illegible]

Key contacts: [illegible]

FOR INFORMATION ONLY

Transgrid | UGL | CPB CONTRACTORS

N

0 50 100 200

Meters

Datum: GDA2020 Projection MGA Zone 55

Scale: 1:4,000 (when printed at A3)

Legend

General

- Project footprint
- Enabling Works Footprint

Ecology Constraint layer - (Refer Table 5-3 of the EWMP)

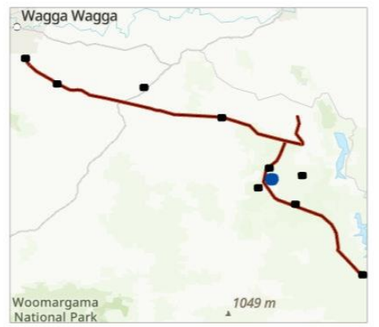
- High
- Moderate
- Low

Monitoring locations / Sensitive receivers

- Monitoring location (dust)

Site Controls (indicative locations only)

- Access points
- Chemical storage
- Spill kit



World Topographic Map: Vicmap, Esri, TomTom, Garmin, FAO, NOAA, USGS
NSW TG_HumeLink_GreenHills 2024-02-01:
World Imagery: Maxar
NSW TG_HumeLink 2022-03-01:

DRAWN:	GK
REVIEWED:	II
VERIFIED:	II
APPROVED:	II
REV:	A
DATE:	25/06/2024
DESCRIPTION:	Issued for Internal Review
DRAWING NO:	

ENVIRONMENTAL CONTROL MAP

Green Hills accommodation facility and compound (AC07)

G:\Projects\HumeLink\20_Maps\20240624_AccomodationLayouts_ECM_Maps\AccomodationLayouts_ECMMaps.aprx (A3L_JoelBase) Date Saved: 25/06/2024 User Name: geeta.kumar

Environmental Control Map (ECM)
Project: HLW
Work Package: Gregadoo Compound (C06)

Revision [illegible]
Date [illegible]

General ECM Notes:

[illegible]

General notes relating to Erosion and Sediment Control:

[illegible]

Scope of works covered by this ECM includes: [illegible]

Key contacts: [illegible]

FOR INFORMATION ONLY

Transgrid UGL CPB CONTRACTORS

N

0 50 100 200

Meters

Datum: GDA2020 Projection MGA Zone 55

Scale: 1:6,000 (when printed at A3)

Legend

General

- Project footprint
- Indicative transmission line structure
- Indicative transmission line alignment
- Enabling Works Footprint

Heritage Sensitivity Layer - Subsurface

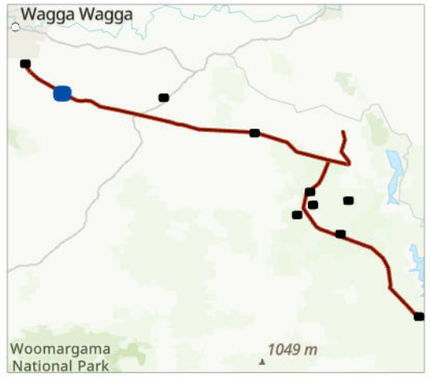
- High
- Moderate

Ecology Constraint layer - (Refer Table 5-3 of the EWMP)

- Hollow bearing trees
- Low

Site Controls (indicative locations only)

- Access points
- Chemical storage
- Spill kit



World Topographic Map: Vicmap, Esri, TomTom, Garmin, FAO, NOAA, USGS
World Imagery: Maxar
NSW TG_HumeLink 2022-03-01:

DRAWN:	GK
REVIEWED:	II
VERIFIED:	II
APPROVED:	II
REV:	A
DATE:	26/06/2024
DESCRIPTION:	Issued for Internal Review
DRAWING NO:	

ENVIRONMENTAL CONTROL MAP

Gregadoo Road compound (C06)

G:\Projects\HumeLink\20_Maps\20240624_AccomodationLayouts_ECM_Maps\AccomodationLayouts_ECMMaps.aprx (A3L_JoelBase) Date Saved: 26/06/2024 User Name: geeta.kumar

UGL CPB CONTRACTORS

Environmental Control Map (ECM)
Project: HLW
Work Package: Ardrossan Headquarters Road Compound (C17)

Revision [illegible]
Date [illegible]

General ECM Notes:

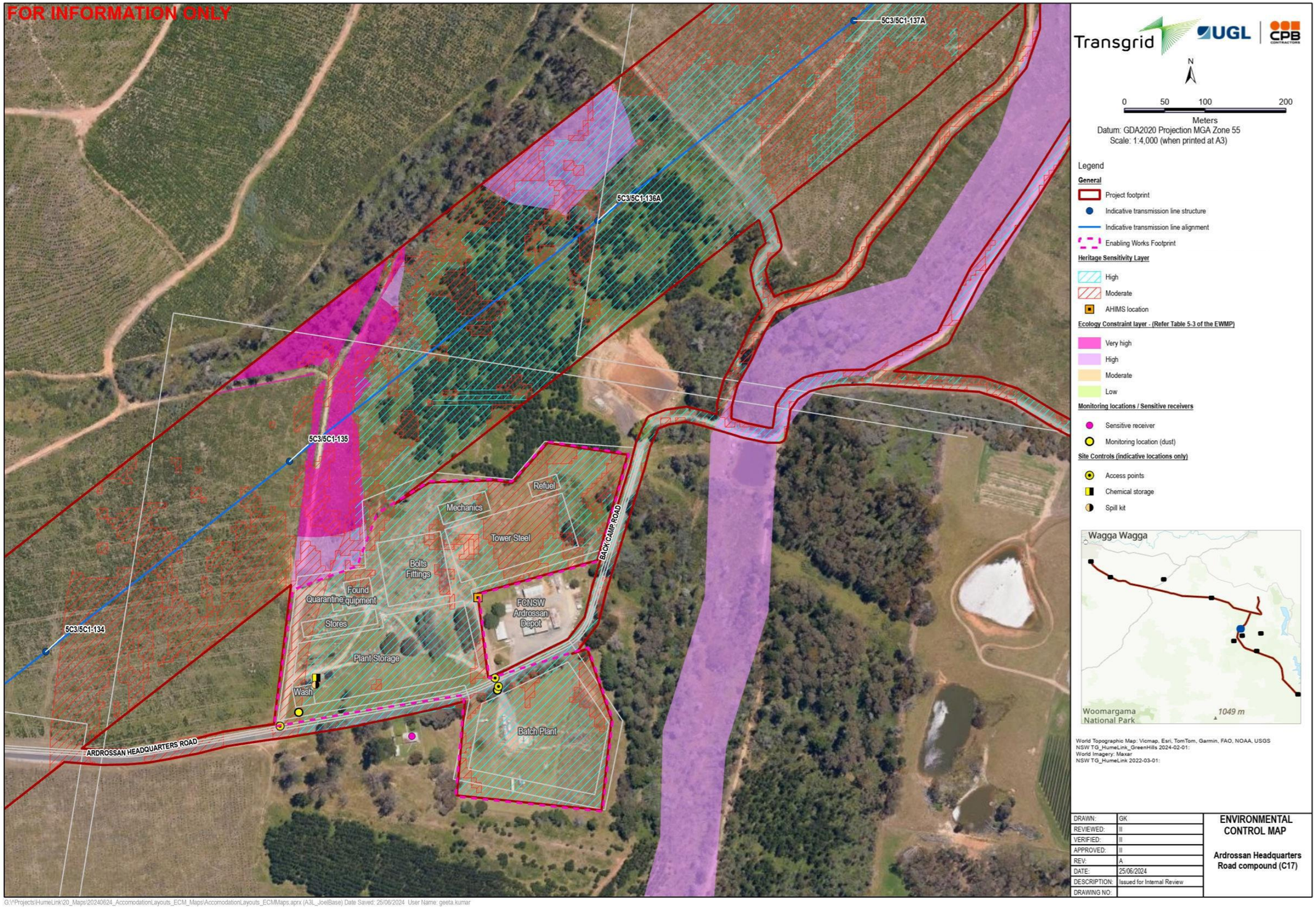
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]

General notes relating to Erosion and Sediment Control:

[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]

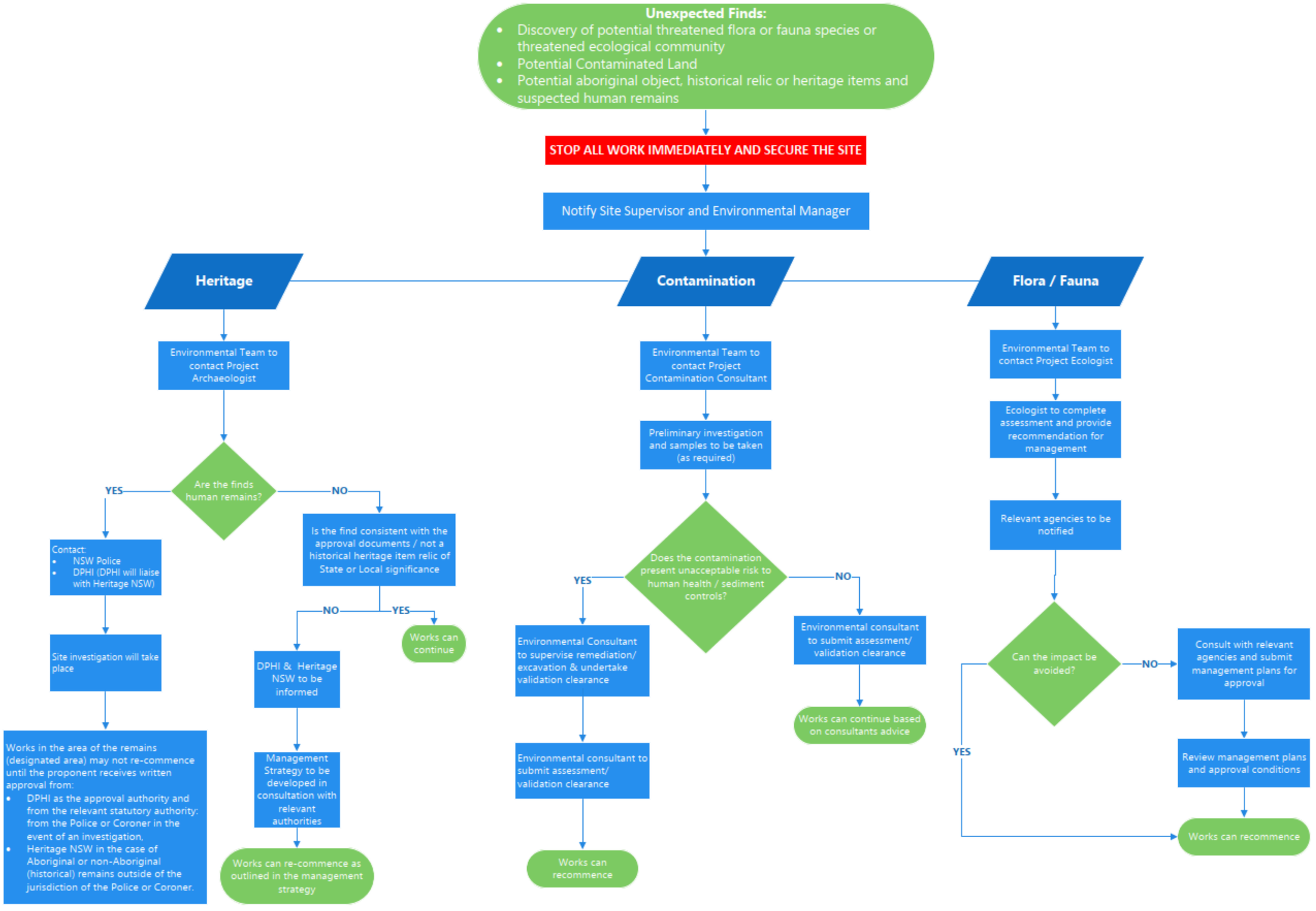
Scope of works covered by this ECM includes: [illegible]

Key contacts: [illegible]



G:\Projects\HumeLink\20_Maps\20240624_AccomodationLayouts_ECM_Maps\AccomodationLayouts_ECMMaps.aprx (A3L_JoelBase) Date Saved: 25/06/2024 User Name: geeta.kumar

Appendix E – Unexpected finds procedure



Appendix F – Out of hours works protocol

Out Of Hours Works Protocol

Contents

Tables

Figures

1 Introduction

[illegible]

[illegible]

[illegible]

[illegible]

2 Construction Hours

2.1 Standard construction hours

[illegible] *Interim Construction Noise Guideline* [illegible]

- [illegible]
- [illegible]
- [illegible]

[illegible]

- [illegible]
- [illegible]
- [illegible]

2.2 Variation to standard construction hours

[illegible]

a) [illegible]

b) [illegible]

c) [illegible]

d) [illegible]

[illegible]

- [illegible]

- [illegible]o more than the 'Noise affected' NMLs specified in Table 3 of the ICNG at other [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

3 Purpose and Scope

[illegible]

[illegible]

[illegible]

UMM	Requirement	Where addressed
[illegible]	[illegible]	[illegible]

4 OOHW Justification

4.1 OOHW subject to this protocol

[illegible]

[illegible]

[illegible]

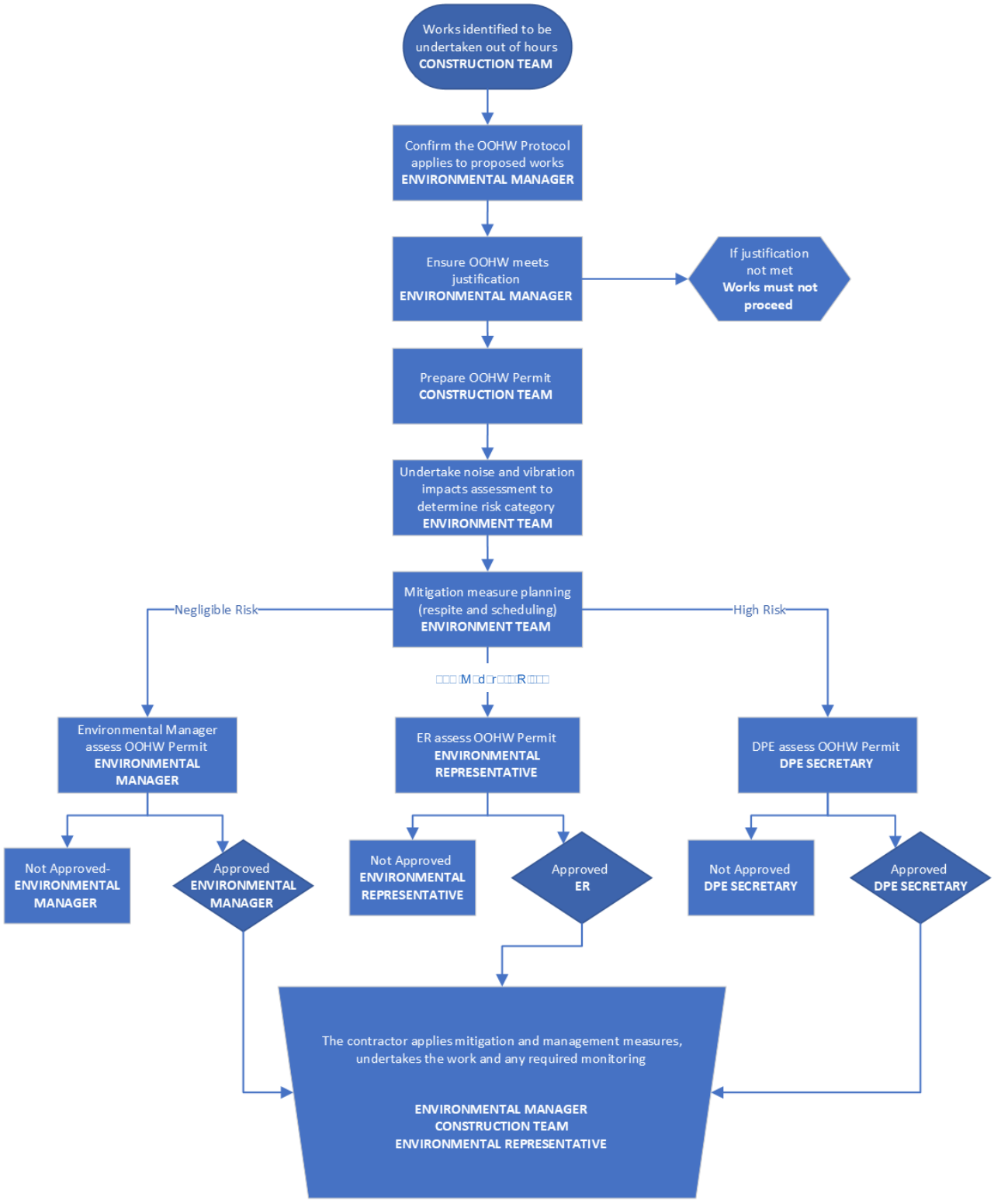
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]

4.2 OOHW not subject to this protocol

[illegible]

[illegible]

5 OOHW Process


Works identified to be undertaken out of hours
CONSTRUCTION TEAM
Confirm the OOHW Protocol applies to proposed works
ENVIRONMENTAL MANAGER
Ensure OOHW meets justification
ENVIRONMENTAL MANAGER
If justification not met
Works must not proceed
Prepare OOHW Permit
CONSTRUCTION TEAM
Undertake noise and vibration impacts assessment to determine risk category
ENVIRONMENT TEAM
Mitigation measure planning (respite and scheduling)
ENVIRONMENT TEAM
Negligible Risk
High Risk
Environmental Manager assess OOHW Permit
ENVIRONMENTAL MANAGER
ER assess OOHW Permit
ENVIRONMENTAL REPRESENTATIVE
DPE assess OOHW Permit
DPE SECRETARY
Not Approved-
ENVIRONMENTAL MANAGER
Approved
ENVIRONMENTAL MANAGER
Not Approved
ENVIRONMENTAL REPRESENTATIVE
Approved
ER
Not Approved
DPE SECRETARY
Approved
DPE SECRETARY
The contractor applies mitigation and management measures, undertakes the work and any required monitoring
ENVIRONMENTAL MANAGER
CONSTRUCTION TEAM
ENVIRONMENTAL REPRESENTATIVE

6 OOHW Assessment

6.1 Noise assessment

[illegible]

[illegible]

OOHW Period 1: (Evening & Extended Day)

- [illegible]
- [illegible]
- [illegible]

OOHW Period 2: (Night)

- [illegible]
- [illegible]
- [illegible]

[illegible]

[illegible]

[illegible]

6.2 Noise and Vibration criteria

[illegible]

- [illegible]
- [illegible]
- [illegible] 1993 ‘Evaluation and measurement for vibration in buildings Part 2’ as they are ‘applicable to Australian conditions’[illegible]
- [illegible]

[illegible]

[illegible]

- [illegible] Guideline identifies ‘particularly annoying’ activities that require the [illegible]

[illegible]

6.3 Reporting

- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]

6.4 Mitigation

- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]

Notification: [illegible]

[illegible]

Respite: [illegible]

- [illegible]
- [illegible]

Duration Respite: [illegible]

Verification: [illegible]

[illegible]

Predicted airborne LAeq(15min) noise level at receiver		OOHW Period 1: Additional mitigation measures	OOHW Period 2: Additional mitigation measures
Perception	**dB(A) above NML**		
Noticeable	[illegible]	[illegible]	[illegible]
Clearly audible	[illegible]	[illegible]	[illegible]
Moderately intrusive	[illegible]	[illegible]	[illegible]
Highly intrusive	[illegible]	[illegible]	[illegible]

[illegible]

[illegible]

Predicted ground-borne vibration level at receiver	OOHW Period 1: Additional mitigation measures	OOHW Period 2: Additional mitigation measures
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

[illegible]

[illegible]

7 Approval process

- [redacted]
- [redacted]
- [redacted]

Risk level [redacted]	Approval authority [redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]

[illegible]

Risk level	Approval authority	Item no.	OOHW period	Activities or circumstances
The below activities <u>are not subject</u> to the OOHW Protocol process:				
[illegible]	[illegible]	[illegible]	[illegible]	[illegible] • [illegible] • [illegible] • [illegible] • [illegible] [illegible] • [illegible] • No more than the ‘Noise affected’ NMLs specified in Table 3 of the ICNG at other sensitive land user(s); and [illegible] [illegible] • [illegible] • [illegible] • [illegible] [illegible]
Activities <u>subject</u> to the OOHW Protocol process as follows:				
Negligible	[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]
Low/Moderate	[illegible]	[illegible]	[illegible]	[illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible]
		[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible] • [illegible]

Risk level	Approval authority	Item no.	OOHW period	Activities or circumstances
High	[illegible]	[illegible]	[illegible]	[illegible] • [illegible] • [illegible] – [illegible] – [illegible] – [illegible] • [illegible]

8 Consultation and Notification

8.1 Consultation

[illegible]

[illegible]

[illegible]

8.2 Notification requirements

[illegible]

8.3 Community Agreement

[illegible]

8.4 Complaints management

[illegible]roject's complaints register which will be [illegible]

9 Monitoring

[illegible]

- [illegible]

- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]
- [illegible]

[illegible]

[illegible]

[illegible]

Appendix G – Additional Enabling Works Risk Assessment / minor impact checklist (Template)

Minor impact checklist

Use / directions

- [illegible]
- [illegible]
  - [illegible]
  - [illegible]
  - [illegible]
  - [illegible]
  - [illegible]
  - [illegible]
  - [illegible]
- [illegible]
- [illegible]

1. Description of proposed works

Description of the Proposed Works (engineer to complete)	
Action	**Description**
Description of scope and methodology	
Plant and equipment	
Location	
Proposed work commencement and duration	
Working hours	
Planning context	
Checklist number	

2. Potential environmental impact review

Project footprint		
Will works be within the Amendment Report Project footprint?		

Soils		
Any there any acid sulfate soils mapped in the works area?	☐	☐
[illegible]		
Any there any saline soils mapped in the works area?	☐	☐
[illegible]		
Is there any naturally occurring asbestos mapped in the works area?	☐	☐
[illegible]		
Is there any areas of environmental concern in the works area?	☐	☐
[illegible]		

Hydrology and water quality		
Are any works locations within 40m of a watercourse?	☐	☐
[If yes, describe impacts here]		
Are any works locations within the 1% AEP?	☐	☐
[illegible]		
Is there potential for groundwater to be encountered during the works?	☐	☐
[illegible]		

Biodiversity		
Are the works within areas mapped as either 'not assigned', 'low' or 'moderate' as per the constraints mapping?	☐	☐
[illegible]		

Biosecurity		
Are there any known or potential weed and/or biosecurity issues?	☐	☐
[illegible]		

Heritage		
Are any Aboriginal Heritage Information Management System (AHIMS) sites identified within 100 metres of the works?	☐	☐
[illegible]		
Are any heritage sites (including those listed below) within the works area? • [illegible] • [illegible] • [illegible]	☐	☐

Heritage		
Were any heritage sites identified during the Aboriginal cultural heritage pre-clearance (inspection) checks and/or is there potential for heritage sites to be affected by the proposed works?	☐	☐
Is the works area within low, moderate or high area of archaeological potential?	☐	☐

Noise and vibration and visual		
Are there sensitive receivers (e.g. residence, school, hospital) within 100m of the works?	☐	☐
Will any works be undertaken outside of standard working hours (as identified below)? ***Monday to Friday: 7:00am – 6:00pm*** ***Saturdays: 8:00am – 1:00pm*** ***No work on Sundays or Public Holidays***	☐	☐

Traffic and access		
Will any works be undertaken within the road reserve and/or require lane/ road closures and/or cause traffic issues?	☐	☐
Will any works affect access to properties and/or businesses?	☐	☐
Will any works affect parking spaces and/or cause parking issues?	☐	☐

Air quality		
Is any dust and/or other emissions likely to be generated by the works?	☐	☐

Bushfire risk		
Is hot work or fire risk work involved?	☐	☐

Bushfire risk		
Are the work areas located within bushfire prone land?	☐ [illegible]	☐ [illegible]
[illegible]		
Are chemicals, fuels or other hazardous substances required to be transported or stored for the proposed works?	☐ [illegible]	☐ [illegible]
[illegible]		

Waste		
Will any spoil or waste be removed from site or stored?	☐ [illegible]	☐ [illegible]
[illegible]		
Will any potentially hazardous/ contaminated spoil or waste be removed from site?	☐ [illegible]	☐ [illegible]
[illegible]		

Conclusion		
Are there Aboriginal heritage impacts within unsurveyed areas that have not been addressed in the Aboriginal Heritage Cultural Assessment Report (ACHAR) or in an Addendum ACHAR?	☐ [illegible]	☐ [illegible]
[illegible]		
Are there potential impacts to ecology located in areas mapped as either 'No-Go, 'high' or 'very high' as per the biodiversity constraints mapping?	☐ [illegible]	☐ [illegible]
[illegible]		
Given the assessment above, are any potential impacts greater than 'minor' after the application of mitigation measures?	☐ [illegible]	☐ [illegible]
[illegible]		

3. Authorisations and approvals

[illegible]

- [illegible]
- Transgrid's existing legal obligations which apply to the proposed action
- [illegible]

Preparation of checklist	
Prepared by:	
Position: [illegible]	**Date:**
Signature:	

Review of checklist
Reviewed by:
Position: Environment Manager | **Date:**
Signature:

Approval of checklist
Approved by:
Position: Environmental Representative | **Date:**
Signature:

Appendix H – Example Environmental Work Method Statement (EWMS) – Clearing and Grubbing

Project details:			
Project name:	[illegible]	**Project No.:**	[illegible]
Work activity:	[illegible]		
Work location:	[illegible]	**ITP reference [illegible]:**	[illegible]
Risk register reference [illegible]:	[illegible]	**EWMS No.:**	[illegible]
		Revision No.:	[illegible]
Date EWMS prepared:	[illegible]	**Date work to be commenced:**	[illegible]

People involved in the development of the EWMS [illegible]:					
Name (printed):	**Signature:**	**Position:**	**Name (printed):**	**Signature:**	**Position:**
		[illegible]			

Persons responsible for the approval of this EWMS:			
Position:	**Name (print):**	**Signature:**	**Date:**
[illegible]			
[illegible]			
[illegible]			

Additional Information:	
Personnel qualification, competencies, and experience required [illegible] • [illegible] • [illegible] • [illegible] • [illegible] [illegible]	**Legislation, Codes of Practice, Australian Standards; Applicable Hold Points; Relevant Approvals/Permits/Licences:** • [illegible] • [illegible] [illegible] [illegible]

List of attachments	Hazardous substances: (name, SDS (attached)
[illegible]: • [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible]	[illegible] • [illegible] • [illegible] • [illegible]

Other Relevant Consideration:

- [illegible]

RISK RATING TABLES						
Risk Analysis Risk Classification = Consequence x Likelihood		CONSEQUENCE				
		1 Insignificant Negligible damage to the environment Community complaints with no corrective action Visit from Regulators with verbal comments of OFI	2 Minor Minor damage to the environment, Within site boundaries Minor adverse local public or media attention or complaints Improvement and Infringement Notice	3 Moderate Serious damage to the environment, Medium term effect, Protected species or habitat involved Serious impact on the community, services and property, State media attention Prohibition Notice, fines	4 Major Major damage to the environment, Long term effect, Damage to protected species or habitat Major impact on the community, services and property, National public or media negative attention Prosecution, major fines	5 Catastrophic Permanent environmental damage, Endangered species and habitat destroyed Severe impact on the community, services and property, International scale negative media attention Criminal prosecution, Serious litigation, Major fines
LIKLIHOOD	A Almost Certain The event is expected to occur in most circumstances Occurs more than once a month	High - 11	High - 16	Extreme – 20	Extreme – 23	Extreme - 25
	B Likely The event will probably occur in most circumstances Occurs once every month to 1 year	Moderate - 7	High - 12	High - 17	Extreme – 21	Extreme - 24
	C Possible The event should occur at some time Occurs once every 1 year to 5 years	Low - 4	Moderate - 8	High - 13	Extreme – 18	Extreme - 22
	D Unlikely The event could occur at some time Occurs once every 5 years to 10 years	Low - 2	Low - 5	Moderate - 9	High - 14	Extreme - 19
	E Rare The event may occur only in exceptional circumstances Occurs less than once every 10 years	Low - 1	Low – 3	Moderate - 6	High - 10	High - 15

RISK LEVEL ACTION TABLE	
EXTREME (Unacceptable)	Immediate action required – High level of supervision and monitoring of controls musts be added with senior management responsibility. I.e. Increase inspection monitoring and added to the daily inspection process. A job prestart must be undertaken with all relevant workers, including review of control methods and use of relevant permits to work as applicable.
HIGH (Undesirable)	Site management attention needed with safety, quality and environmental responsibilities communicated and delegated at management level. Take all reasonable steps to eliminate the risk or minimise it by introducing substitution, isolation or engineering controls as soon as possible.
MODERATE (Tolerable)	Site specific supervisory responsibilities must be specified for safety, quality and environmental responsibilities and communicated at site level. Take all reasonable steps to eliminate the risk or minimise it by introducing substitution, isolation or engineering controls as soon as possible. If these options are not immediately practical, implement administrative controls and/or PPE. Implementation of control measures should decrease the risk to as low as reasonably practicable.
LOW (Acceptable)	Manage by routine procedures such as safe work method statements and communication and consultation processes on a regular basis at individuals. Implementation of control measures should decrease the risk to as low as reasonably practicable.

STEP	BASIC STEPS *List the logical steps required to undertake the activity. Include relevant materials and equipment as appropriate*	POTENTIAL HAZARDS *Identify the potential environmental hazards which may arise out of conducting this step. What may cause environmental harm to occur?*	RISK RANKING *Determine the likelihood, consequence and risk category*	HAZARD CONTROLS *Determine the appropriate hazard control(s) are required to address the potential risk identified. What can be done to prevent environmental harm from occurring? Hazard controls should be determined using the 'Hierarchy of Controls' and must not raise or create an increased risk)*	RESIDUAL RISK RANKING *Determine the residual risk category following the implementation of nominated hazard control(s)*	RESPONSIBILITY *Who will ensure that the nominated hazard controls are implemented during the activity?*
Pre-Commencement work aspects						
1	□ □□□□□r□□□□r□d □□□r□□□□□□□□□□ □ □□□□ □□□□□□□□□□□d□□□□r □r□□□r□□□□	□ □□□□□□ □□□□□□□□□ □□□ M□□□□□□ □□□□□□□ M□ □□ □□□□□□□□□r□□r□□□r□□ □□□□□□□□r□□□d□r□	□□r□□ □□□□□□	• □ □r□□□□□□□□□□□□ □ □□□□□□□□□□ □□□r□□□□□□□□□□□□d□□r□□□□ □□□□□ □□□□□ □ □□r□□□d□r□□ o □ □□□□□□□□□□□□□□□□r□□□□□ □□r□□□r□□□ o □ □□□d□□□□□□□r□□□□□□□□□□□ □□ □□□□□ □□□□□□□□□□□□ □□□□□□□r□□r□□□ □□□□□□□□r□□□ □□□□□ □□□□□d□□□□□□□□□d □□ M□□ o □ □□□d□□ □□r□□□□□□□□□□□□□r□□□□□□ □□□ □□□□□□□□□□ □□□□□□□d□□□□□□□□r□	□ □□□□□□□□□	□□□r□□□ □□□□□□ M□□□□□□r□□ □□□□□□□□r□□ □□□□r□□□□r□□□□□□

STEP	BASIC STEPS *List the logical steps required to undertake the activity. Include relevant materials and equipment as appropriate*	POTENTIAL HAZARDS *Identify the potential environmental hazards which may arise out of conducting this step. What may cause environmental harm to occur?*	RISK RANKING *Determine the likelihood, consequence and risk category*	HAZARD CONTROLS *Determine the appropriate hazard control(s) are required to address the potential risk identified. What can be done to prevent environmental harm from occurring? Hazard controls should be determined using the "Hierarchy of Controls' and must not raise or create an increased risk)*	RESIDUAL RISK RANKING *Determine the residual risk category following the implementation of nominated hazard control(s)*	RESPONSIBILITY *Who will ensure that the nominated hazard controls are implemented during the activity?*
				o o •		
2				• •		
3				•		

STEP	BASIC STEPS *List the logical steps required to undertake the activity. Include relevant materials and equipment as appropriate*	POTENTIAL HAZARDS *Identify the potential environmental hazards which may arise out of conducting this step. What may cause environmental harm to occur?*	RISK RANKING *Determine the likelihood, consequence and risk category*	HAZARD CONTROLS *Determine the appropriate hazard control(s) are required to address the potential risk identified. What can be done to prevent environmental harm from occurring? Hazard controls should be determined using the "Hierarchy of Controls' and must not raise or create an increased risk)*	RESIDUAL RISK RANKING *Determine the residual risk category following the implementation of nominated hazard control(s)*	RESPONSIBILITY *Who will ensure that the nominated hazard controls are implemented during the activity?*
				• [illegible]		
4	[illegible]	[illegible]	[illegible]	• [illegible] • [illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	• [illegible] • [illegible]	[illegible]	[illegible]

STEP	BASIC STEPS *List the logical steps required to undertake the activity. Include relevant materials and equipment as appropriate*	POTENTIAL HAZARDS *Identify the potential environmental hazards which may arise out of conducting this step. What may cause environmental harm to occur?*	RISK RANKING *Determine the likelihood, consequence and risk category*	HAZARD CONTROLS *Determine the appropriate hazard control(s) are required to address the potential risk identified. What can be done to prevent environmental harm from occurring? Hazard controls should be determined using the "Hierarchy of Controls' and must not raise or create an increased risk)*	RESIDUAL RISK RANKING *Determine the residual risk category following the implementation of nominated hazard control(s)*	RESPONSIBILITY *Who will ensure that the nominated hazard controls are implemented during the activity?*
				• [illegible] • [illegible]		
6	[illegible]	[illegible]	[illegible]	• [illegible] • [illegible] • [illegible] • [illegible]	[illegible]	[illegible]

STEP	BASIC STEPS *List the logical steps required to undertake the activity. Include relevant materials and equipment as appropriate*	POTENTIAL HAZARDS *Identify the potential environmental hazards which may arise out of conducting this step. What may cause environmental harm to occur?*	RISK RANKING *Determine the likelihood, consequence and risk category*	HAZARD CONTROLS *Determine the appropriate hazard control(s) are required to address the potential risk identified. What can be done to prevent environmental harm from occurring? Hazard controls should be determined using the "Hierarchy of Controls' and must not raise or create an increased risk)*	RESIDUAL RISK RANKING *Determine the residual risk category following the implementation of nominated hazard control(s)*	RESPONSIBILITY *Who will ensure that the nominated hazard controls are implemented during the activity?*
Carrying out works						
7	[illegible])	[illegible]	[illegible]	• [illegible] • [illegible] • [illegible] • [illegible] • [illegible]	[illegible]	[illegible]

Environmental Work Method Statement (EWMS) – EWMP Clearing and Grubbing (EWMS11)

STEP	BASIC STEPS	POTENTIAL HAZARDS	RISK RANKING	HAZARD CONTROLS	RESIDUAL RISK RANKING	RESPONSIBILITY
	List the logical steps required to undertake the activity. Include *relevant* ***materials*** *and* ***equipment*** *as appropriate*	***Identify the potential environmental hazards which may arise out of conducting this step. What may cause environmental harm to occur?***	***Determine the likelihood, consequence and risk*** *category*	***Determine the appropriate hazard control****(s) are required to* ***address the potential risk*** *identified****. What can be done to prevent environmental harm*** *from occurring? Hazard controls should be determined using the “****Hierarchy of Controls****’ and must not raise or create an increased risk)*	***Determine the residual risk category following the implementation of nominated hazard control(s)***	***Who will ensure that the nominated hazard controls are implemented during the activity?***
				• [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible] • [illegible]		

STEP	BASIC STEPS	POTENTIAL HAZARDS	RISK RANKING	HAZARD CONTROLS	RESIDUAL RISK RANKING	RESPONSIBILITY
	List the logical steps required to undertake the activity. Include *relevant* ***materials*** *and* ***equipment*** *as appropriate*	***Identify the potential environmental hazards which may arise out of conducting this step. What may cause environmental harm to occur?***	***Determine the likelihood, consequence and risk*** *category*	***Determine the appropriate hazard control****(s) are required to* ***address the potential risk*** *identified****. What can be done to prevent environmental harm*** *from occurring****?*** *Hazard controls should be determined using the* ***"Hierarchy of Controls****' and must not raise or create an increased risk)*	***Determine the residual risk category following the implementation of nominated hazard control(s)***	***Who will ensure that the nominated hazard controls are implemented during the activity?***
				[illegible]		
8	[illegible]	[illegible]	[illegible]	• [illegible] • [illegible] • [illegible] • [illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	• [illegible] • [illegible]	[illegible]	[illegible]

STEP	BASIC STEPS	POTENTIAL HAZARDS	RISK RANKING	HAZARD CONTROLS	RESIDUAL RISK RANKING	RESPONSIBILITY
	***List the logical steps required to undertake the activity. Include** relevant **materials** and **equipment** as appropriate*	***Identify the potential environmental hazards which may arise out of conducting this step. What may cause environmental harm to occur?***	***Determine the likelihood, consequence and risk** category*	***Determine the appropriate hazard control**(s) are required to **address the potential risk** identified**. What can be done to prevent environmental harm** from occurring**?** Hazard controls should be determined using the “**Hierarchy of Controls**’ **and must not raise or create an increased risk)***	***Determine the residual risk category following the implementation of nominated hazard control(s)***	***Who will ensure that the nominated hazard controls are implemented during the activity?***
			[illegible]	[illegible]	[illegible]	
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

STEP	BASIC STEPS *List the logical steps required to undertake the activity. Include relevant materials and equipment as appropriate*	POTENTIAL HAZARDS *Identify the potential environmental hazards which may arise out of conducting this step. What may cause environmental harm to occur?*	RISK RANKING *Determine the likelihood, consequence and risk category*	HAZARD CONTROLS *Determine the appropriate hazard control(s) are required to address the potential risk identified. What can be done to prevent environmental harm from occurring? Hazard controls should be determined using the "Hierarchy of Controls' and must not raise or create an increased risk)*	RESIDUAL RISK RANKING *Determine the residual risk category following the implementation of nominated hazard control(s)*	RESPONSIBILITY *Who will ensure that the nominated hazard controls are implemented during the activity?*
11	[illegible]	[illegible]	[illegible]	• [illegible] • [illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	• [illegible] • [illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	• [illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	• [illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	• [illegible] • [illegible] • [illegible] • [illegible]	[illegible]	[illegible]

STEP	BASIC STEPS *List the logical steps required to undertake the activity. Include relevant materials and equipment as appropriate*	POTENTIAL HAZARDS *Identify the potential environmental hazards which may arise out of conducting this step. What may cause environmental harm to occur?*	RISK RANKING *Determine the likelihood, consequence and risk category*	HAZARD CONTROLS *Determine the appropriate hazard control(s) are required to address the potential risk identified. What can be done to prevent environmental harm from occurring? Hazard controls should be determined using the "Hierarchy of Controls' and must not raise or create an increased risk)*	RESIDUAL RISK RANKING *Determine the residual risk category following the implementation of nominated hazard control(s)*	RESPONSIBILITY *Who will ensure that the nominated hazard controls are implemented during the activity?*
				• [illegible] • [illegible] • [illegible] • [illegible]		

General:

- All personnel are to be fully inducted in the site inductions prior to the commencement of any site activities.
- No additional activities are permitted outside the scope of this EWMS without approval from the EM.
- Ensure gates are left as they were found (either closed or open).
- Ensure vehicles are fitted with appropriate silencers and are maintained in an efficient condition.
- Spill kits to be readily available.
- Refuelling to be undertaken in designated refuelling areas.
- All chemicals, fuels or other hazardous substances will be stored in accordance with the supplier's instructions, any relevant legislations or Australian Standards or the applicable guidelines. The capacity of any bunded area will be 130% of the largest chemical volume contained within the bunded area
- All vehicles are to stay within the project corridor and are not to exceed 40 km/h.
- Access to site is to occur along the existing tracks or new tracks identified on the ECM (where approval has been provided by the environmental team). Vehicles are not to cross any waterways which haven't got an existing established crossing point.
- Delineation of sensitive areas in accordance with the Project's Flagging Protocol is to be the first activity to be undertaken on the Project.
- No ground penetration (including staking, installation of control or use of survey jigger) is allowed outside the Project boundary unless approved by the EM.
- No vegetation clearing without the approval of the Environment Manager via a Clearing Permit.
- Vegetation Clearing Procedure (VCP) must be followed while clearing the sites.

Biosecurity:

- Ensure all biosecurity mitigation measures are implemented
- Complete the Plant Clean Down Checklist before entering site.
- Precautions to minimise the spread of weeds are to be adhered to when working in high risk weed areas including:
  - Avoid driving through high risk weed areas where possible.
  - Brushing off excess soil and plant material from boots / clothing / equipment to minimise potential seed spread.
  - Spray / wash boots / equipment with water to remove any mud/soil. Ensure transfer of weed seed to vehicle is minimised by carrying out wash down process prior to entering vehicle.

Pollution: Soil, Water, Air:

- ERSED controls to be installed as per the PESCP as required
- Measures are to be implemented to minimise dust, soil or mud from being deposited from vehicles onto public roads. This will be achieved by implementing mitigation measures such as driving on stabilised areas of the site wherever possible, minimising vehicle movements within the site during and following inclement weather and manual cleaning prior to exiting site to remove accumulated material from vehicles where required.
- In the event of any spillage or tracking, the spilt material will be removed immediately following consideration of pubic and personnel safety risks and the implementation of any required public and personal safety protection measures in the removal of the material from the roadway.
- All waste must be removed from the site and disposed of appropriately including all food/drink containers and spray paint cans.
- Spills are to be contained immediately and used spill kit material/contaminated soil shall be stored in contained areas until disposal.

Noise and Vibration

- Works shall be carried out between 7:00am to 6:00pm Monday to Friday and 8:00am to 1:00pm on Saturday. No activities to be undertaken outside of these hours unless prior approval has been granted by the Environmental Manager.
- Minimise radio noise, yelling, rowdy behaviour, etc at all times.
- All equipment that is not in use shall be switched off.
- Ensure equipment / vehicles are serviced.

Unexpected Finds:

- In the event of an unexpected find (such as dumped asbestos or other unexpected waste/contamination), the area will be delineated, and the Environmental Manager notified. The Unexpected Contaminated Lands Procedure will then be followed.
- If any unexpected heritage items or suspected human skeletal remains are encountered, works potentially affecting the find would cease immediately, the area is to be delineated and the AG JV Environmental Manager and TG Environmental Manager is to be notified. The unexpected Heritage Finds Procedure to be followed.
- If incidental or unanticipated threatened flora and fauna finds are identified, work shall cease in the vicinity of the find, the area is to be delineated and the AG JV Environmental Manager and TG Environmental Manager is to be notified. The unexpected flora and fauna procedure to be followed.

EWMS Change Sheet

STEP	BASIC STEPS *List the logical steps required to undertake the activity. Include relevant materials and equipment as appropriate*	POTENTIAL HAZARDS *Identify the potential environmental hazards which may arise out of conducting this step. What may cause environmental harm to occur?*	RISK RANKING *Determine the likelihood, consequence and risk category*	HAZARD CONTROLS *Determine the appropriate hazard control(s) are required to address the potential risk identified. What can be done to prevent environmental harm from occurring? Hazard controls should be determined using the "Hierarchy of Controls' and must not raise or create an increased risk)*	RESIDUAL RISK RANKING *Determine the residual risk category following the implementation of nominated hazard control(s)*	RESPONSIBILITY *Who will ensure that the nominated hazard controls are implemented during the activity?*
1						
2						
3						
4						

Persons responsible to approve the change of this EWMS:			
Position:	**Name (print):**	**Signature:**	**Date:**
[illegible]			
[illegible]			

EWMS Sign On:

[illegible]

[illegible]

[illegible]

Name (Printed):	Signature:	Date:	Employer:

Appendices

Number	Description	Attached
1		☐ N/A ☐ N/A
2		☐ N/A ☐ N/A
3		☐ N/A ☐ N/A
4		☐ N/A ☐ N/A

5		☐ ☐
6		☐ ☐
7		☐ ☐
8		☐ ☐
9		☐ ☐

Important note:

Appendix I – Environmental datasets

Topic	Dataset
Soils	
Acid sulfate soils	
Naturally occurring asbestos	
Contamination	
Ecology	
Commonwealth listed communities and species	
NSW listed communities and species	
Areas of outstanding biodiversity value	
Declared wilderness	
Resilience and Hazards SEPP	
Wetlands (including RAMSAR)	
Heritage	
Aboriginal Heritage Information Management System (AHIMS)	
World, Commonwealth and National Heritage lists	
State Heritage Register and Inventory	
Local Environmental Plan heritage items	
Previous studies	
EIS, Submissions Report and Amendment Report and conditions of approval (pending)	