

01 November 2024

Nicole Brewer
Director, Energy Assessments
Department of Planning, Housing and Infrastructure
4 Parramatta Square, 12 Darcy Street Parramatta NSW 2150

Dear Nicole,

Subject: Valley of the Winds - Amendment Letter

1 Introduction

ACEN Australia (ACEN) seeks to provide the Department of Planning, Housing and Infrastructure (DPHI) with the following amendment to the Valley of the Winds (VOW) Project, SSD-10461.

1. Removal of access through Uarbry Village

In response to matters raised by the Uarbry Village community at Environmental Impact Statement (EIS) and Amendment Report/Response to Submissions (RTS) and in ongoing community and stakeholder consultation, ACEN confirms the removal of the access through Uarbry Village to the Girragulang Road cluster from the Project. Impacts associated with the Preferred access to the Girragulang Road cluster were assessed in the Amendment Report (October 2023).

ACEN confirms that the land required for the Preferred access to the Girragulang Road cluster has been secured and landowners consent to lodge the Development Application has previously been provided to DPHI. An **Updated Schedule of Lands** is provided in Attachment 1.

2. Amendment to Project Boundaries

ACEN seeks amendments to the Project boundaries (Project Site, Development Corridor and Indicative Construction Footprint) due to the removal of the access through Uarbry Village and design requirements of Transport for NSW (TfNSW).

This letter provides:

- An overview of the amendments
- Environmental Impact Assessment of the amendments
- Justification for the change
- Updated project figures

2 Project amendments

The proposed Project amendments are presented in the **Project Amendments Figure** in Attachment 2 and include:

- Removal of the access through Uarbry Village to the Girragulang Road Cluster. No access is now proposed through Uarbry Village
- Updates to the Project Site, Development Corridor and Indicative Construction Impact Footprint to:
 - remove the Girragulang Road cluster access through Uarbry Village (which include, Short Street, Turee Street, Main Street and Wyaldra Street, Moorefield Road [east])
 - include the updated intersection design for the Preferred access to Girragulang Road cluster on the Golden Highway (approx. 3km west of Uarbry)
 - include the updated intersection design for the Leadville cluster on the Golden Highway
 - include the Moorefield Road (west) road to accommodate light vehicle access to/from the temporary workforce accommodation facility
 - removal of unutilised areas of private landholdings
- Removal of meteorological mast in the Girragulang Road cluster
- Removal of the intersection upgrade for the Black Stump Way/Golden Highway intersection (to be delivered by EnergyCo / TfNSW Port to Renewable Energy Zone (REZ) Upgrade Program)
- Update the status of dwellings as shown in Table 1.

The total area of the Project Site, Development Corridor and Indicative Construction Impact Footprint are presented in Table 2.

Table 1: Updated dwelling status

ID	Amendment Report Category	Current Status
25	Non-associated	Associated
84	Non-associated	Associated
87	Non-associated	Associated
199	Non-associated	Associated
36	Non-associated	Host
322	Non-associated	Host
353	Non-associated	Host

Table 2: Confirmation of Project Areas

Project Area	Area (hectares)
Project Site	24,082
Development Corridor	2760
Indicative Construction Impact Footprint	688

The proposed **Project Amendments Figure** is presented in Attachment 2, and the **Revised Project Layout Figures** are provided in Attachment 3.

Additionally, the **Revised Project Layout Figures** provide clarification on the location of the underground section of transmission line (up to 330kV) in the Mount Hope cluster, the connection points to the CWO-REZ Transmission project (SSI 48323210) (EnergyCo), and the location of an existing gas pipeline.

3 Environmental Impact Assessment of the amendments

Table 3 provides a summary environmental impact assessment associated with removal of the access through the Uarbry Village. Table 4 provides confirmation and clarifications of residual impacts associated with the Preferred access to the Girragulang Road cluster.

Table 3: Updated environmental and social impacts following amendments

Aspect	Environmental Impact Assessment
Biodiversity	Biodiversity impacts associated with access through the Uarbry Village were assessed in the Revised Biodiversity Development Assessment Report (BDAR) for the Project. The BAMC cases for the 'Girragulang Alternative Access' (case number: 40557 and 40560) from the Amended Biodiversity Development Assessment Report (27 October 2023) remain accurate. Biodiversity outcomes are improved relating to potential Serious and Irreversible Impacts (SAII) to Box Gum Woodland, with an expected 5.74 hectares less than that to be impacted with development of the access through the Uarbry village. Table 1 in Attachment 4 provides the area of impact by PCT associated with each of the access options, and the difference between the two options associated with the removal of the access through the Uarbry Village. Table 2 in Attachment 4 provides area of impact by PCT associated with the Preferred access to Girragulang Road cluster and includes additional native vegetation classes per DPHI request. <i>Biodiversity outcomes are improved with the removal of access through Uarbry Village.</i> As part of ongoing consultation with TfNSW, ACEN Australia has updated two road intersection designs for the Project on the Golden Highway. The intersection designs represent a maximum case footprint associated with a decentralised workforce accommodation scenario. The revised intersection designs demonstrate an overall minor reduction in biodiversity

Aspect	Environmental Impact Assessment
	impacts, including those related to potential Serious and Irreversible Impacts (SAII) to Box Gum Woodland (approximately 1,100 m²). Due to the minor nature of this change, ACEN is not seeking to reduce credit liability for the Project associated with the reduction of impact associated with the redesign of these intersections and no update to the BAMC cases are proposed. Attachment 5 provides the intersection designs submitted to TfNSW on 18 June 2024.
Heritage	No change to heritage impacts are associated with removal of access through the Uarbry Village. One site was identified along the Preferred access to Girragulang Road cluster, being Kensington OS-1. The ACHAR states that if the Preferred access (referenced as the “alternate access” in the ACHAR) is to proceed then salvage of the potential impact area and demarcation to avoid additional impacts is recommended. The specific management measure included in section 9.2.5 of the ACHAR is reproduced below. The following will be included in the Aboriginal Cultural Heritage Management Plan (ACHMP). Kensington OS-1: <i>xv. The part of the site that will be impacted by the proposed access track (if selected) will have all surface artefacts recorded and collected as outlined in section 9.2.3.1. The western boundary of the construction impact area will be temporarily fenced during the construction of the access track.</i> Mitigation measure AH4 presented in the update mitigation and management measures table submitted to DPHI on 14 May 2024 states: <i>Collection of all surface artefacts within the Indicative Construction Impact Footprint at Cainbil Creek OS-1, Kensington OS-1 (if the [Preferred access to the Girragulang Road cluster] is constructed) and The Rock IF-1 will be undertaken by an archaeologist. The methodology of the surface artefact collection will be contained in the ACHMP that will be reviewed by RAPs.</i> This letter confirms that the Preferred access to the Girragulang Road cluster is to be constructed and this mitigation measure applies. Attachment 4 shows the location of Aboriginal heritage sites in relation to the amended Project. <i>Kensington OS-1 is predicted to be impacted as a result of the Project. Both the Registered Aboriginal Parties and Heritage NSW have supported the proposed methodology for management of this site to be included in the ACHMP.</i>
Noise	Noise impacts associated with access through the Uarbry Village were previously assessed with nine non-associated dwellings predicted to receive noise levels of up to 80-85 dB L_{Aeq} during road construction works. No project related noise impacts associated with access road construction within Uarbry are predicted following removal of the access through Uarbry Village. One non-associated dwelling (R236) is predicted to receive noise levels of up to 45-50 dB L_{Aeq} for up to six months during construction of the Preferred access to the Girragulang Road cluster. <i>Construction related noise impacts will be reduced from nine to one non-</i>

Aspect	Environmental Impact Assessment
	<i>associated dwellings due to the removal of access through the Uarbry village.</i>
Traffic	Short Street, Turee Street, Main Street, Wyaldra Street and Moorefield Road (east) within Uarbry Village would no longer be utilised by the Project. The Preferred access to Girragulang Road cluster would be utilised by oversize overmass (OSOM) vehicles, heavy vehicles and light vehicles during the temporary construction phase of the cluster. <i>Previously predicted traffic and transport impacts associated with access through the Uarbry Village would be avoided through the removal of the Uarbry Village Access route.</i>
Social	A total of nine submissions received by DPHI related to the proposed site access through Uarbry Village. Ongoing consultation with Uarbry Village residents, continued to raise concerns regarding residential amenity impacts and impact on community wellbeing associated with local road upgrade works and OSOM vehicle movements in close proximity to dwellings. ACEN Australia sought to investigate and assess a Preferred access to the Girragulang Road cluster, which was assessed at RTS stage. Further, concerns were raised around the stress, anxiety and community wellbeing within Uarbry as a result of the Project. <i>The removal of access through Uarbry Village will provide reduced social impacts through the avoidance amenity impacts to the residents associated with this access.</i>

4 Justification

The confirmation of removal of access through Uarbry Village Access from the Valley of the Winds Project provides improved environmental, social and residential amenity outcomes for the residents of Uarbry Village, as well as improved biodiversity outcomes relating to potential Serious and Irreversible Impacts (SAII) to Box Gum Woodland.

Yours sincerely

Megan Richardson

Megan Richardson
NSW Wind Team Lead
ACEN Australia

Attachments:

1. Updated Schedule of Lands
2. Project refinements figure
3. Revised Project layout figures
4. Aboriginal heritage sites in relation to the amended Project

Attachment 1

Updated Schedule of Lands

Lot	Plan
143	DP750772
142	DP750772
151	DP750772
157	DP750772
155	DP750772
92	DP754966
126	DP750745
79	DP750745
75	DP750745
74	DP750745
73	DP750745
78	DP750745
76	DP750745
59	DP750745
140	DP750772
65	DP750745
66	DP750745
113	DP750745
13	DP754967
11	DP754975
12	DP754975
3	DP754975
7001	DP1028400
63	DP754966
177	DP750772
113	DP750740
150	DP750740
149	DP750740
54	DP750768
44	DP750768
131	DP750740
112	DP750740
114	DP750740
53	DP750768
1	DP378972
115	DP750740
105	DP750740
126	DP750740
1	DP512844
97	DP750740
96	DP750740
142	DP750740

Lot	Plan
2	DP244310
65	DP750772
76	DP750772
91	DP750772
11	DP132925
10	DP132925
72	DP750772
96	DP750772
103	DP750740
4	DP132931
119	DP750740
22	DP750740
21	DP750740
6	DP750740
7005	DP1026530
95	DP750740
83	DP750740
88	DP750740
106	DP750740
207	DP750740
208	DP750740
89	DP750740
81	DP750740
80	DP750740
79	DP750740
195	DP750740
43	DP750740
90	DP750740
43	DP750768
139	DP750740
123	DP750768
43	DP750772
4	DP820719
75	DP750772
152	DP750772
1	DP596076
96	DP754966
81	DP754966
7006	DP1028362
50	DP754966
53	DP750745
35	DP750740

Lot	Plan
98	DP750745
4	DP133873
27	DP750745
81	DP750745
96	DP750745
97	DP750745
82	DP750745
83	DP750745
84	DP750745
95	DP750745
91	DP750745
77	DP750745
36	DP750745
26	DP750745
25	DP750745
7	DP750745
82	DP754966
5	DP754966
47	DP754966
69	DP754966
48	DP754966
19	DP754966
98	DP754966
88	DP754966
2	DP382987
1	DP661801
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33	DP750768

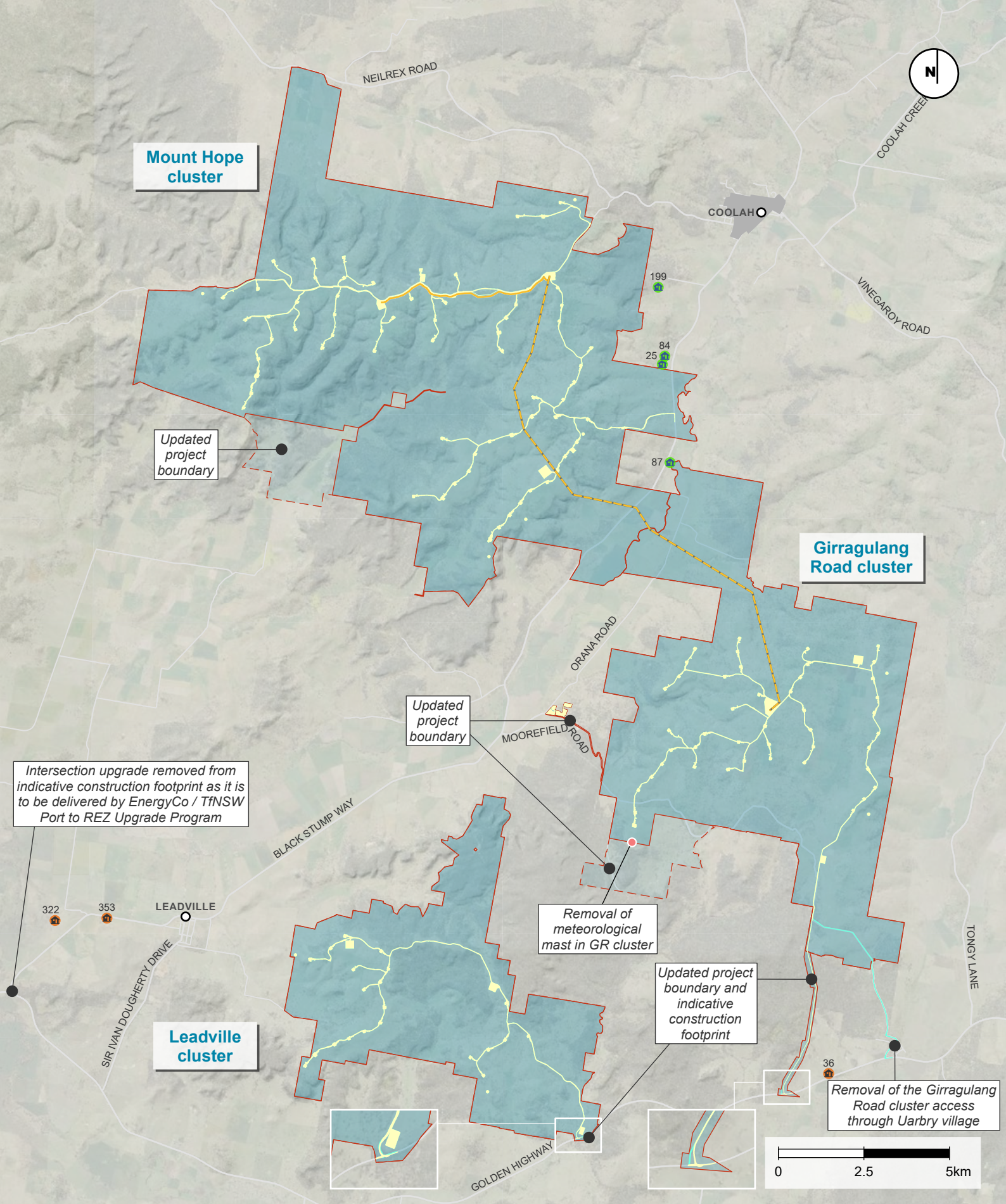
Lot	Plan
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A	DP430321
29	DP750745
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99	DP750745
57	DP750768
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14	DP750768
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8	DP256130
1	DP720365
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6	DP750768
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28	DP750745
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85	DP750745
86	DP750745
87	DP750745
5	DP750768
110	DP750772
111	DP750772
9	DP256130
108	DP750772
116	DP750772
112	DP750772
41	DP750768
132	DP750745
67	DP750745
68	DP750745
154	DP750772
136	DP824118
137	DP824118
1	DP132142
80	DP750745
92	DP750745
107	DP750740

Lot	Plan
5	DP132931
1	DP132931
3	DP132931
10	DP256130
7002	DP96946
2	DP876041
14	DP754967
7005	DP1028425
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104	DP750740
108	DP750740
116	DP750740
117	DP750740
118	DP750740
99	DP750740
106	DP750745
55	DP750745
23	DP750768
37	DP750745

Lot	Plan
32	DP750745
8	DP750745
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2	DP746422
1	DP217788
2	DP631136
1	DP120973
1	DP1091571
2	DP1091571
58	DP1099077
49	DP1115849
1	DP1187452
1	DP1214808
20	DP750740
2	DP1227122
1	DP1227122
1	DP1214801
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3	DP1257054
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7	DP132931

Attachment 2

Project Refinements Figure

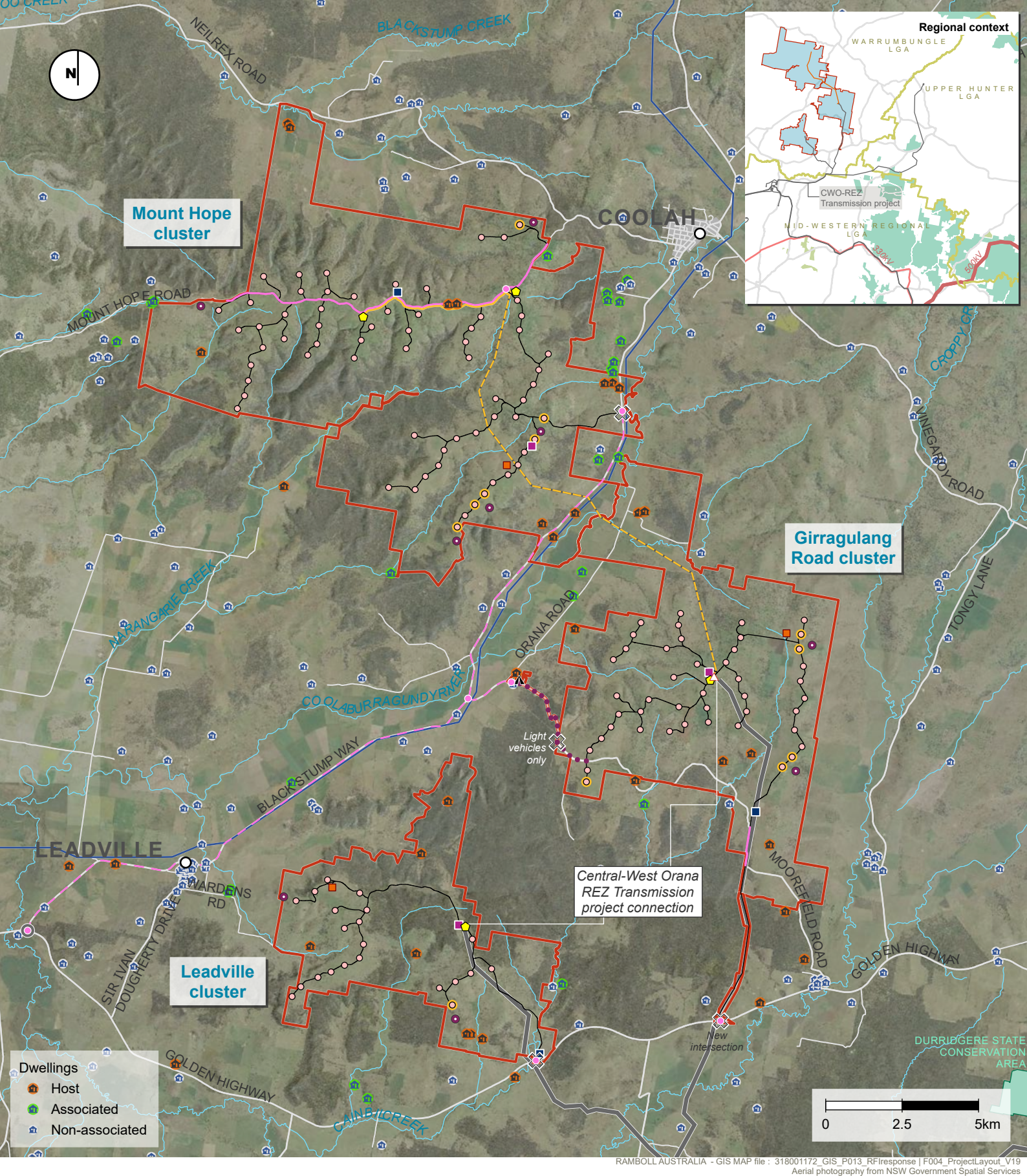


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Aerial photography from NSW Government Spatial Services

Figure A2-1 | Overview of project refinements

Attachment 3

Revised Project layout figures

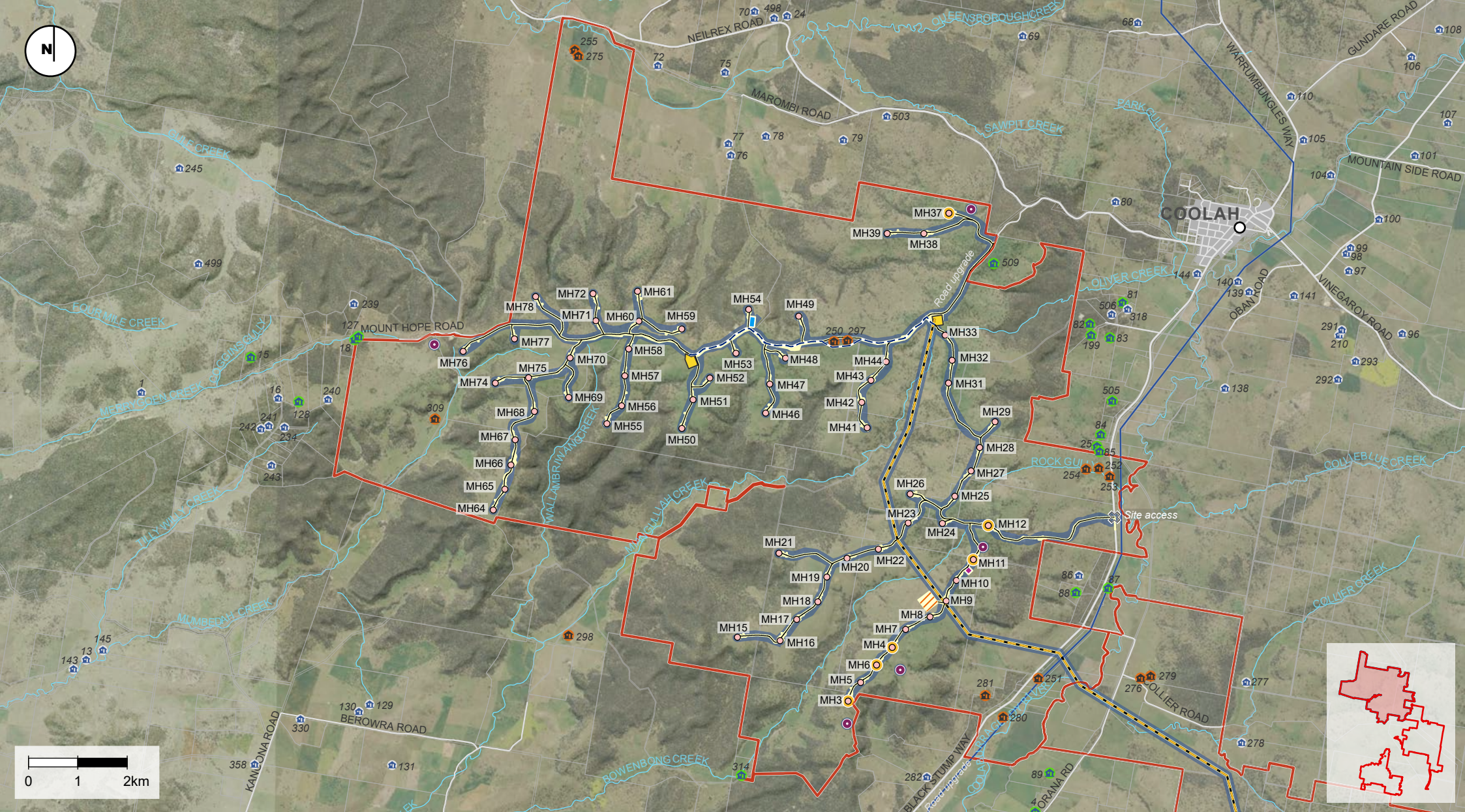


KEY

- | | | |
|--|---|--|
| <ul style="list-style-type: none"> Project site ○ Turbine location — Overhead transmission line (up to 330kV) — Underground transmission line (up to 330kV) — Access track and cabling ⊗ Site access ▲ Construction workforce accommodation | <ul style="list-style-type: none"> ● Intersection upgrade by ACEN ⊗ Intersection upgrade by EnergyCo — Proposed road upgrade - - - Proposed road upgrade (limited) ● ● ● Road maintenance during construction △ BESS location** ★ Substation and associated buildings ■ Construction and permanent operation and maintenance compound ■ Temporary facilities area* | <ul style="list-style-type: none"> ■ Quarry location** ● Permanent meteorological mast location ● Temporary meteorological mast location (co-located with turbine) National Parks and Reserves — CWO-REZ Transmission project (SSI 48323210) (EnergyCo) — Gas pipeline (Geoscience AU) |
|--|---|--|

*May include site offices rock crushing facilities, concrete or asphalt batching plants, materials storage compounds, maintenance workshops, material stockpiles, laydown areas and parking spaces.
 **Approximate only

Figure A3-1 | Project overview



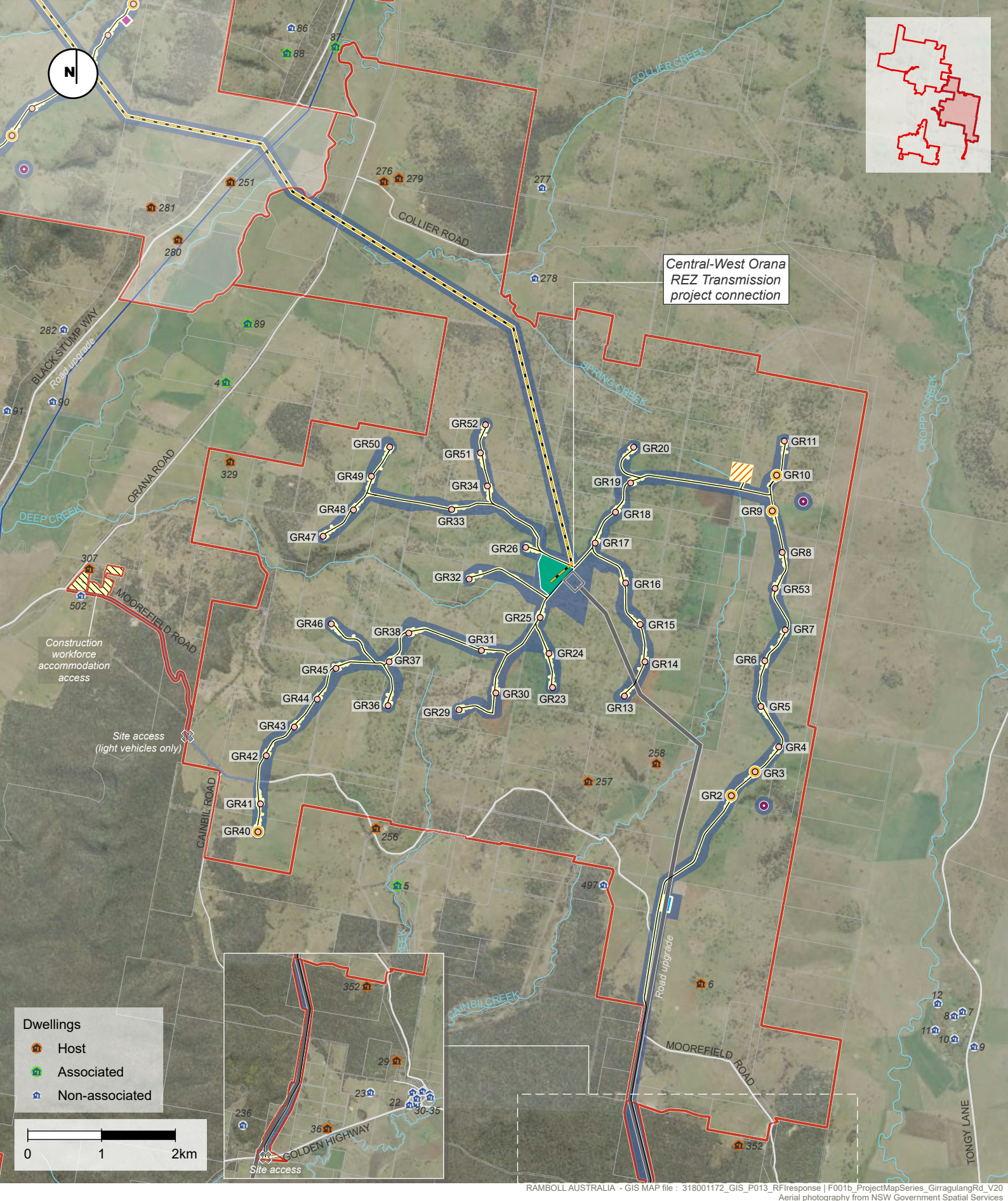
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Aerial photography from NSW Government Spatial Services

KEY

- | | | | | |
|---|---|--|--|--|
| Project site | — Overhead transmission line (up to 330kV) | Construction and permanent operation and maintenance compound area | ● Permanent meteorological mast location | Dwellings |
| ○ Turbine location | --- Underground transmission line (up to 330kV) | Substation and associated buildings | ○ Temporary meteorological mast location (co-located with turbine) | |
| Indicative construction footprint | — Access track and cabling | Temporary facilities area* | — Gas pipeline (Geoscience AU) | |
| Development corridor | ✕ Site access | /// Quarry location** | | |
| | | | | 🏠 Host |
| | | | | 🌳 Associated |
| | | | | 🏠 Non-associated |

Figure A3-2 | Project layout at the Mount Hope cluster

*May include site offices rock crushing facilities, concrete or asphalt batching plants, materials storage compounds, maintenance workshops, material stockpiles, laydown areas and parking spaces.
**Approximate only

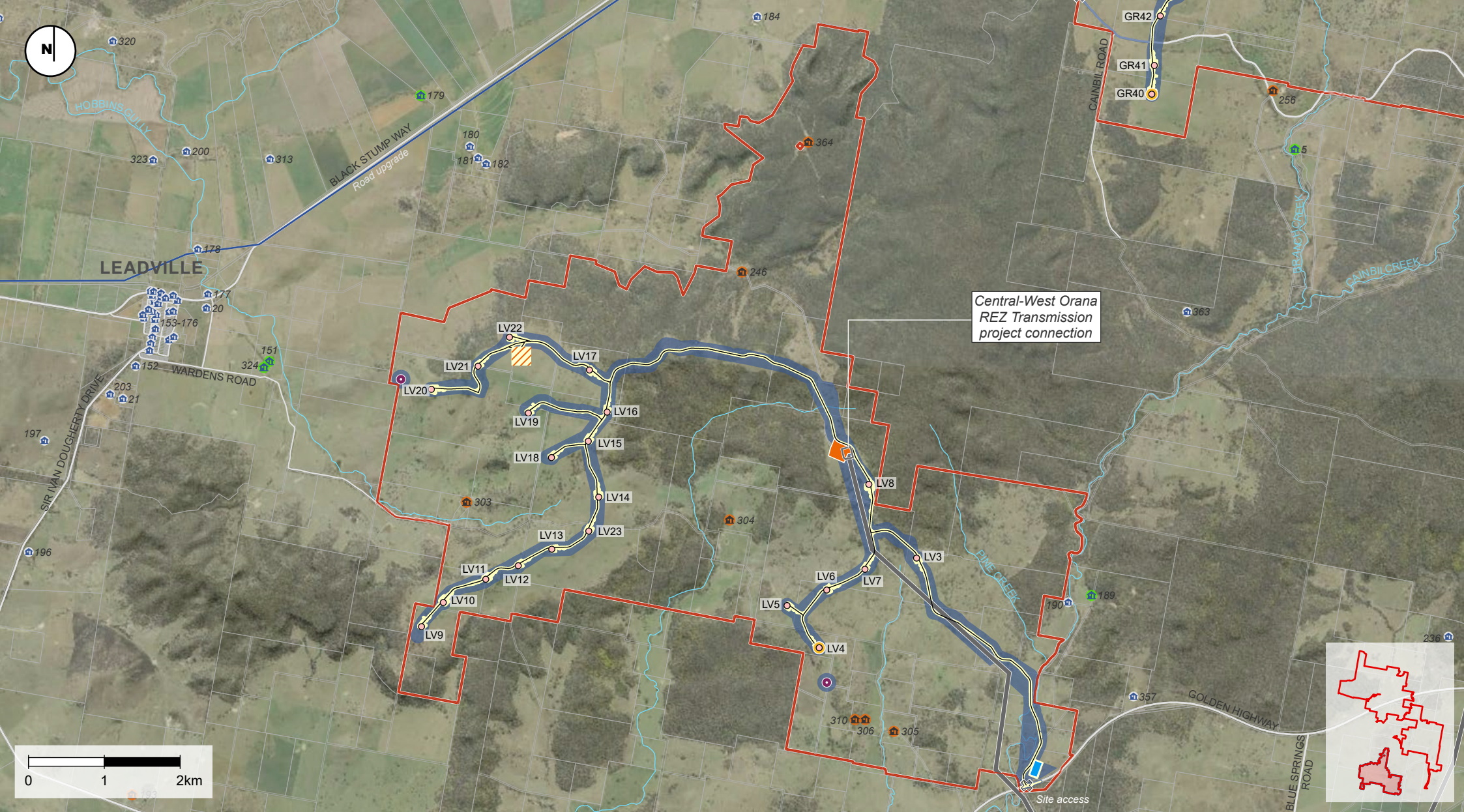


KEY

- Project site
- Turbine location
- Indicative construction footprint
- Development corridor
- Overhead transmission line (up to 330kV)
- Access track and cabling
- Site access
- Construction workforce accommodation
- Construction and permanent operation and maintenance compound area
- Substation, BESS and construction and permanent operation and maintenance compound area
- Temporary facilities area*
- Quarry location**
- Permanent meteorological mast location
- Temporary meteorological mast location (co-located with turbine)
- CWO-REZ Transmission project (SSI 48323210) (EnergyCo)
- Gas pipeline (Geoscience AU)

*May include site offices rock crushing facilities, concrete or asphalt batching plants, materials storage compounds, maintenance workshops, material stockpiles, laydown areas and parking spaces.
** Approximate only

Figure A3-3 | Project layout at the Girragalang Road cluster



Central-West Orana
REZ Transmission
project connection

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Aerial photography from NSW Government Spatial Services

KEY

- | | | | | |
|---|--|--|--|--|
| Project site | — Access track and cabling | Substation, construction and permanent operation and maintenance compound area | ● Permanent meteorological mast location | Dwellings |
| Turbine location | ✕ Site access | Temporary facilities area* | ● Temporary meteorological mast location (co-located with turbine) | 🏠 Host |
| Indicative construction footprint | | Quarry location** | — CWO-REZ Transmission project (SSI 48323210) (EnergyCo) | 🌳 Associated |
| Development corridor | | | — Gas pipeline (Geoscience AU) | 🏠 Non-associated |

Figure A3-4 | Project layout at the Leadville cluster

*May include site offices rock crushing facilities, concrete or asphalt batching plants, materials storage compounds, maintenance workshops, material stockpiles, laydown areas and parking spaces.
**Approximate only

Attachment 4

Area of impact (ha) by PCT and condition class

Table 1: Area of impact by PCT associated with each of the access options, and the difference between the two options associated with the removal of the access through the Uarbry Village

Vegetation zone	PCT Name	Condition	Project Area ha - Uarbry access	Project Area ha - Preferred access	Difference
01 84 M	River Oak - Rough-barked Apple - red gum - box riparian tall woodland (wetland) of the Brigalow Belt South Bioregion and Nandewar Bioregion	Moderate	1.14	1.14	0
02 267 M	White Box - White Cypress Pine - Western Grey Box shrub/grass/forb woodland in the NSW South Western Slopes Bioregion	Moderate	0	0.67	0.67
03 267 L	White Box - White Cypress Pine - Western Grey Box shrub/grass/forb woodland in the NSW South Western Slopes Bioregion	Low	0	4.04	4.04
04 281 G	Rough-Barked Apple - red gum - Yellow Box woodland on alluvial clay to loam soils on valley flats in the northern NSW South Western Slopes Bioregion and Brigalow Belt South Bioregion	Good	0.11	0.66	0.55
05 281 M	Rough-Barked Apple - red gum - Yellow Box woodland on alluvial clay to loam soils on valley flats in the northern NSW South Western Slopes Bioregion and Brigalow Belt South Bioregion	Moderate	12.32	9.53	-2.79
06 281 L	Rough-Barked Apple - red gum - Yellow Box woodland on alluvial clay to loam soils on valley flats in the northern NSW South Western Slopes Bioregion and Brigalow Belt South Bioregion	Low	3.93	3.7	-0.23
10 479 B	Narrow-leaved Ironbark- Black Cypress Pine - stringybark +/- Grey Gum +/- Narrow-leaved Wattle shrubby open forest on sandstone hills in the southern Brigalow Belt South Bioregion and Sydney Basin Bioregion	Burned	6.21	4.52	-1.69
11 479 M	Narrow-leaved Ironbark- Black Cypress Pine - stringybark +/- Grey Gum +/- Narrow-leaved Wattle shrubby open forest on sandstone hills in the southern Brigalow Belt South Bioregion and Sydney Basin Bioregion	Moderate	8.45	8.06	-0.39
12 479 Reg	Narrow-leaved Ironbark- Black Cypress Pine - stringybark +/- Grey Gum +/- Narrow-leaved Wattle shrubby open forest on sandstone hills in the southern Brigalow Belt South Bioregion and Sydney Basin Bioregion	Regenerating	5.7	5.7	0
13 479 L	Narrow-leaved Ironbark- Black Cypress Pine - stringybark +/- Grey Gum +/- Narrow-leaved Wattle shrubby open forest on sandstone hills in the southern Brigalow Belt South Bioregion and Sydney Basin Bioregion	Low	4.19	4.19	0
14 483 G	Grey Box x White Box grassy open woodland on basalt hills in the Merriwa region, upper Hunter Valley	Good	0.28	0.28	0
15 483 M	Grey Box x White Box grassy open woodland on basalt hills in the Merriwa region, upper Hunter Valley	Moderate	108.94	107.99	-0.95

16 483 L	Grey Box x White Box grassy open woodland on basalt hills in the Merriwa region, upper Hunter Valley	Low	158.5	156.18	-2.32
17 483 P	Grey Box x White Box grassy open woodland on basalt hills in the Merriwa region, upper Hunter Valley	Poor	327.86	327.3	-0.56
Sub total native vegetation			637.63	633.96	-3.67

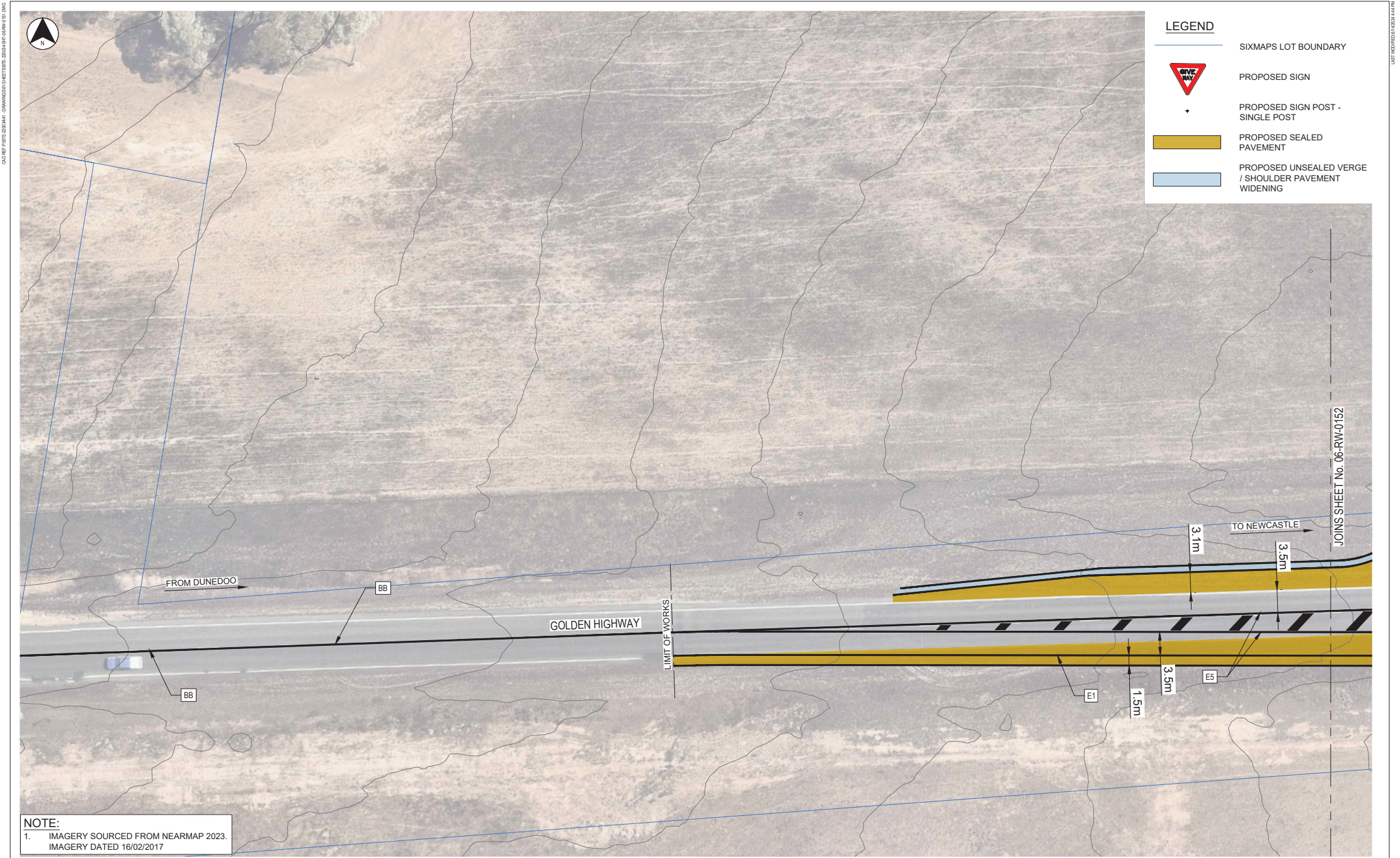
Table 2: Area of impact by PCT associated with the Preferred access to Girragulang Road cluster and includes additional native vegetation classes per DPHI request

PCT	Condition	DPHI native vegetation classes	Vegetation zone	Total Area (ha)	Ecosystem Credits
84	Moderate	Moderate-good	01 84 M	1.14	12
267	Moderate	Moderate-good	02 267 M	0.67	19
267	Low	Derived native grassland	03 267 L	4.04	58
281	Good	Moderate-good	04 281 G	0.66	30
281	Moderate	Moderate-good	05 281 M	9.53	407
281	Low	Derived native grassland	06 281 L	3.70	44
479	Burned	Modified/poor	10 479 B	4.52	107
479	Moderate	Moderate-good	11 479 M	8.06	159
479	Regenerating	Modified/poor	12 479 Reg	5.70	28
479	Low	Derived native grassland	13 479 L	4.19	0
483	Good	Moderate-good	14 483 G	0.28	12
483	Moderate	Moderate-good	15 483 M	107.99	2266
483	Low	Derived native grassland	16 483 L	156.18	3034
483	Poor	Derived native grassland*	17 483 P	327.30	53
Total				633.96	6229

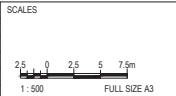
*noting that this assignment of DNG as per the DPHI classification is not related to the definition as per the final determination for Box Gum Woodland. PCT 483 Poor does not conform to Box Gum Woodland.

Attachment 5

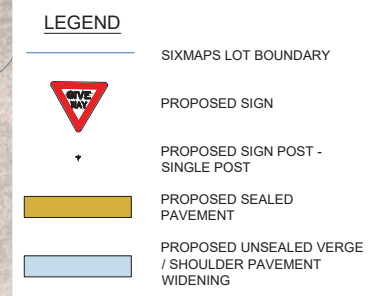
Intersection designs



© COPYRIGHT BTE CONSULTING PTY LTD			
08	TB	14.06.24	STRATEGIC DESIGN ISSUE
07	TB	13.06.24	STRATEGIC DESIGN ISSUE
06	TB	06.06.24	STRATEGIC DESIGN ISSUE
05			NOT ISSUED
04			NOT ISSUED
03			NOT ISSUED
No.	BY	DATE	DESCRIPTION
			APPD



SCALE	1:500	REVISION	08	VALLEY OF THE WINDS	
DESIGNED	TB	CHECKED	BS	GOLDEN HIGHWAY / GIRRAGULANG ALTERNATE ACCESS ROAD	
DRAWN	TB	CHECKED	BS	DETAIL PLAN - ALTERNATE ACCESS	
APPROVED		DATE		SHEET 1 OF 3	
SIGNED				PROJECT NO BTE-220034	SHEET NO SHT-06-RW-0151
				STATUS STRATEGIC DESIGN	



NOT FOR CONSTRUCTION

COPYRIGHT BTE CONSULTING PTY LTD					SCALES		CLIENT		CONSULTANT		DESIGNER		VALLEY OF THE WINDS				
08	TB	14.06.24	STRATEGIC DESIGN ISSUE		TB	2.50 0 2.5 5 7.5m 1 : 500 FULL SIZE A3	 ACEN Australia	 RAMBOLL	 BTE CONSULTING PTY LTD ABN 48 641 009 681 ACN 641 009 681	SCALE	1:500	REVISION	08				
07	TB	13.06.24	STRATEGIC DESIGN ISSUE		TB					DESIGNED	TB	CHECKED	BS	GOLDEN HIGHWAY / GIRRALULANG ALTERNATE ACCESS ROAD			
06	TB	06.06.24	STRATEGIC DESIGN ISSUE		TB					DRAWN	TB	CHECKED	BS	DETAILED PLAN - ALTERNATE ACCESS			
05			NOT ISSUED							APPROVED		DATE		SHEET 2 OF 3			
04			NOT ISSUED							SIGNED							
03			NOT ISSUED										PROJECT NO BTE-220034			STATUS SHT-06-RW-0152	
02	BY	DATE	DESCRIPTION		APPD								SHEET NO STRATEGIC DESIGN				

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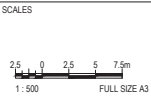
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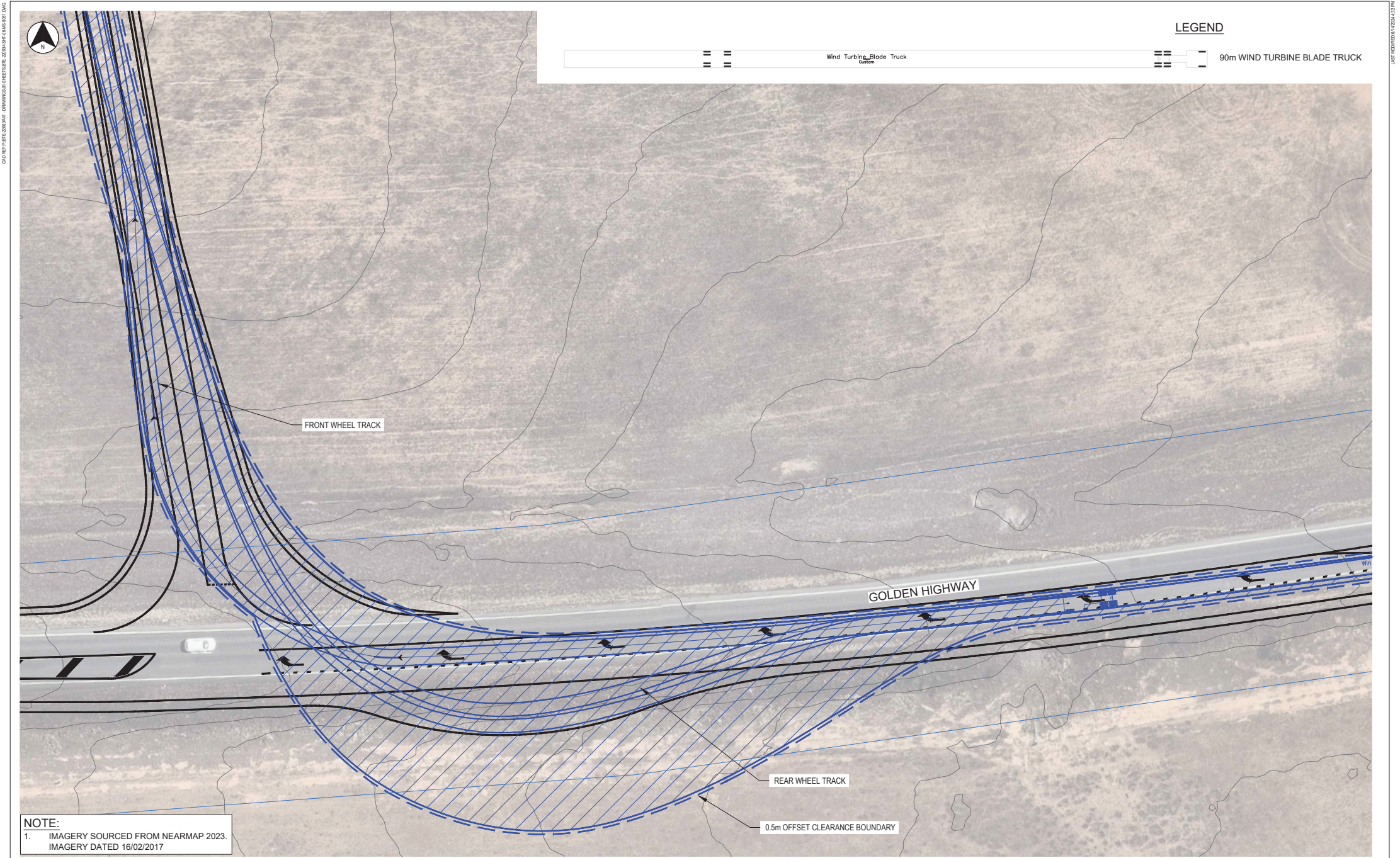
NOTE:
1. IMAGERY SOURCED FROM NEARMAP 2023.
IMAGERY DATED 16/02/2017

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No.	BY	DATE	DESCRIPTION
			APPD

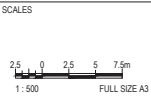


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DRAWN	TB	CHECKED	BS	DETAIL PLAN - ALTERNATE ACCESS		
APPROVED		DATE		SHEET 3 OF 3		
SIGNED				PROJECT NO	SHEET NO	STATUS
				BTE-220034	SHT-06-RW-0153	STRATEGIC DESIGN



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03			NOT ISSUED
No.	BY	DATE	DESCRIPTION
			APPD



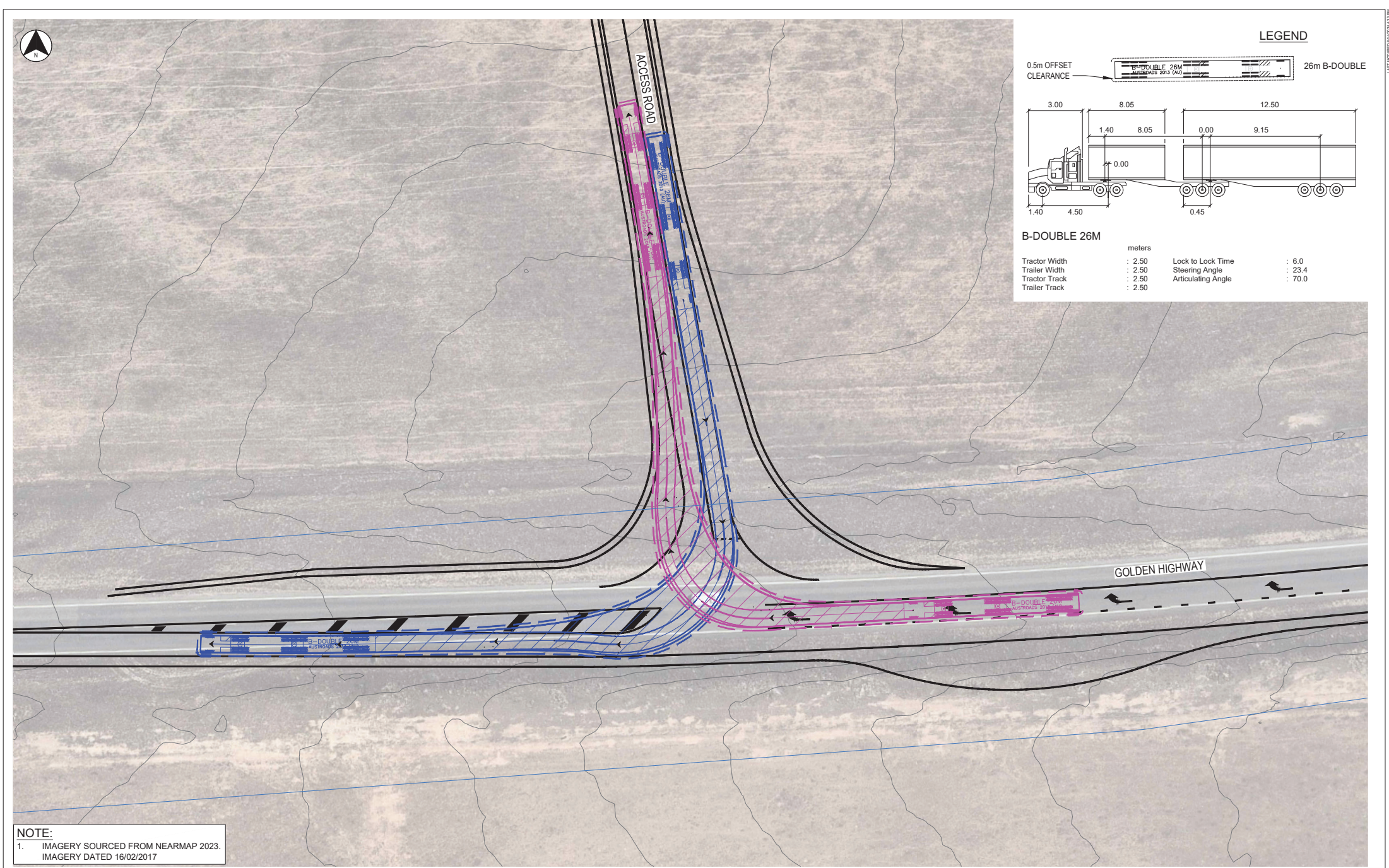
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BTE CONSULTING PTY LTD
ABN 48 641 009 681 ACN 641 009 681

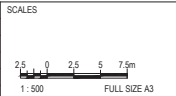
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DRAWN	TB	CHECKED	BS	VEHICLE TURNPATH PLAN - ALTERNATE ACCESS		
APPROVED		DATE		SHEET 1 OF 3		
SIGNED				PROJECT NO	SHEET NO	STATUS
				BTE-220034	SHT-06-MS-0051	STRATEGIC DESIGN



COPYRIGHT BTE CONSULTING PTY LTD				SCALES		CLIENT		CONSULTANT		DESIGNER		<table border="1"> <tr> <td>SCALE</td> <td>1:500</td> <td>REVISION</td> <td>08</td> <td colspan="2">VALLEY OF THE WINDS</td> </tr> <tr> <td>DESIGNED</td> <td>TB</td> <td>CHECKED</td> <td>BS</td> <td colspan="2">GOLDEN HIGHWAY / GIRRALULANG ALTERNATE ACCESS ROAD</td> </tr> <tr> <td>DRAWN</td> <td>TB</td> <td>CHECKED</td> <td>BS</td> <td colspan="2">VEHICLE TURNPATH PLAN - ALTERNATE ACCESS</td> </tr> <tr> <td>APPROVED</td> <td></td> <td>DATE</td> <td></td> <td colspan="2">SHEET 2 OF 3</td> </tr> <tr> <td>SIGNED</td> <td></td> <td></td> <td></td> <td>PROJECT NO BTE-220034</td> <td>SHEET NO SHT-06-MS-0052</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td colspan="2">STATUS STRATEGIC DESIGN</td> </tr> </table>				SCALE	1:500	REVISION	08	VALLEY OF THE WINDS		DESIGNED	TB	CHECKED	BS	GOLDEN HIGHWAY / GIRRALULANG ALTERNATE ACCESS ROAD		DRAWN	TB	CHECKED	BS	VEHICLE TURNPATH PLAN - ALTERNATE ACCESS		APPROVED		DATE		SHEET 2 OF 3		SIGNED				PROJECT NO BTE-220034	SHEET NO SHT-06-MS-0052					STATUS STRATEGIC DESIGN	
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APPROVED		DATE		SHEET 2 OF 3																																															
SIGNED				PROJECT NO BTE-220034	SHEET NO SHT-06-MS-0052																																														
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06	TB	14.06.24	STRATEGIC DESIGN ISSUE			 ACEN Australia				BTE CONSULTING BTE CONSULTING PTY LTD ABN 48 641 009 681 ACN 641 009 681		<table border="1"> <tr> <td>SCALE</td> <td>1:500</td> <td>REVISION</td> <td>08</td> <td colspan="2">VALLEY OF THE WINDS</td> </tr> <tr> <td>DESIGNED</td> <td>TB</td> <td>CHECKED</td> <td>BS</td> <td colspan="2">GOLDEN HIGHWAY / GIRRALULANG ALTERNATE ACCESS ROAD</td> </tr> <tr> <td>DRAWN</td> <td>TB</td> <td>CHECKED</td> <td>BS</td> <td colspan="2">VEHICLE TURNPATH PLAN - ALTERNATE ACCESS</td> </tr> <tr> <td>APPROVED</td> <td></td> <td>DATE</td> <td></td> <td colspan="2">SHEET 2 OF 3</td> </tr> <tr> <td>SIGNED</td> <td></td> <td></td> <td></td> <td>PROJECT NO BTE-220034</td> <td>SHEET NO SHT-06-MS-0052</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td colspan="2">STATUS STRATEGIC DESIGN</td> </tr> </table>				SCALE	1:500	REVISION	08	VALLEY OF THE WINDS		DESIGNED	TB	CHECKED	BS	GOLDEN HIGHWAY / GIRRALULANG ALTERNATE ACCESS ROAD		DRAWN	TB	CHECKED	BS	VEHICLE TURNPATH PLAN - ALTERNATE ACCESS		APPROVED		DATE		SHEET 2 OF 3		SIGNED				PROJECT NO BTE-220034	SHEET NO SHT-06-MS-0052					STATUS STRATEGIC DESIGN	
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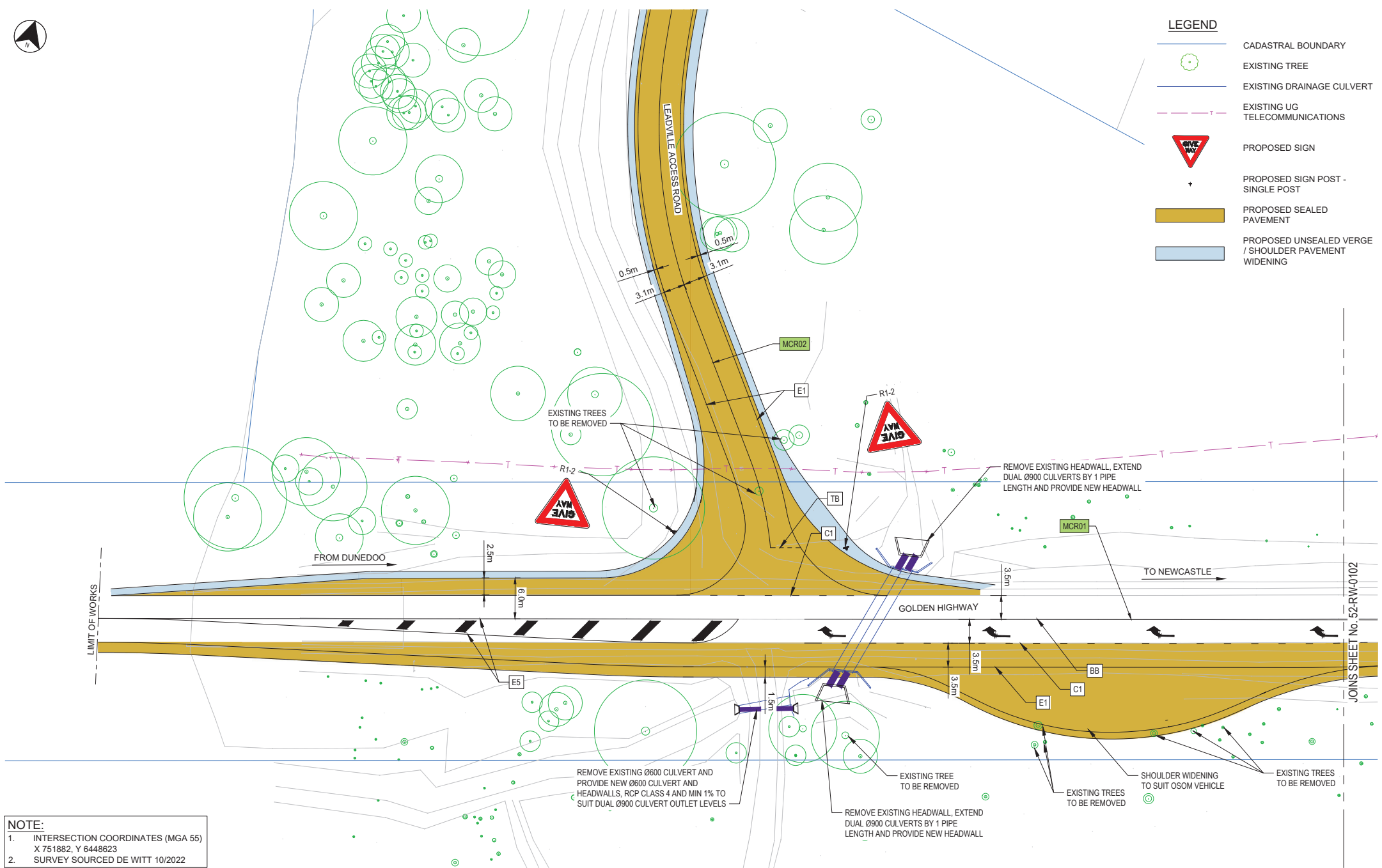


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03			NOT ISSUED	
No.	BY	DATE	DESCRIPTION	APPD



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DRAWN	TB	CHECKED	BS	VEHICLE TURNPATH PLAN - ALTERNATE ACCESS	
APPROVED		DATE		SHEET 3 OF 3	
SIGNED				PROJECT NO BTE-220034	SHEET NO SHT-06-MS-0053
				STATUS	STRATEGIC DESIGN

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© COPYRIGHT BTE CONSULTING PTY LTD 07 TB 14.06.24 STRATEGIC DESIGN ISSUE TB 06 TB 13.06.24 STRATEGIC DESIGN ISSUE TB 05 TB 05.06.24 STRATEGIC DESIGN ISSUE TB 04 TB 17.05.24 STRATEGIC DESIGN ISSUE TB 03 TB 26.03.24 80% CONCEPT DESIGN REVISED BS 02 TB 24.03.24 80% CONCEPT DESIGN REVISED BS No BY DATE DESCRIPTION APPD				SCALES 		CLIENT 		CONSULTANT 		DESIGNER 		SCALE 1:500 REVISION 07 DESIGNED TB CHECKED BS DRAWN TB CHECKED BS APPROVED DATE SIGNED				VALLEY OF THE WINDS GOLDEN HWY / LEADVILLE ACCESS ROAD INTERSECTION DETAIL PLAN SHEET 1 OF 2 PROJECT NO BTE-220034 SHEET NO BTE-52-RW-0101 STATUS STRATEGIC DESIGN			
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CADASTRAL BOUNDARY

EXISTING TREE

EXISTING DRAINAGE CULVERT

EXISTING UG
TELECOMMUNICATIONS

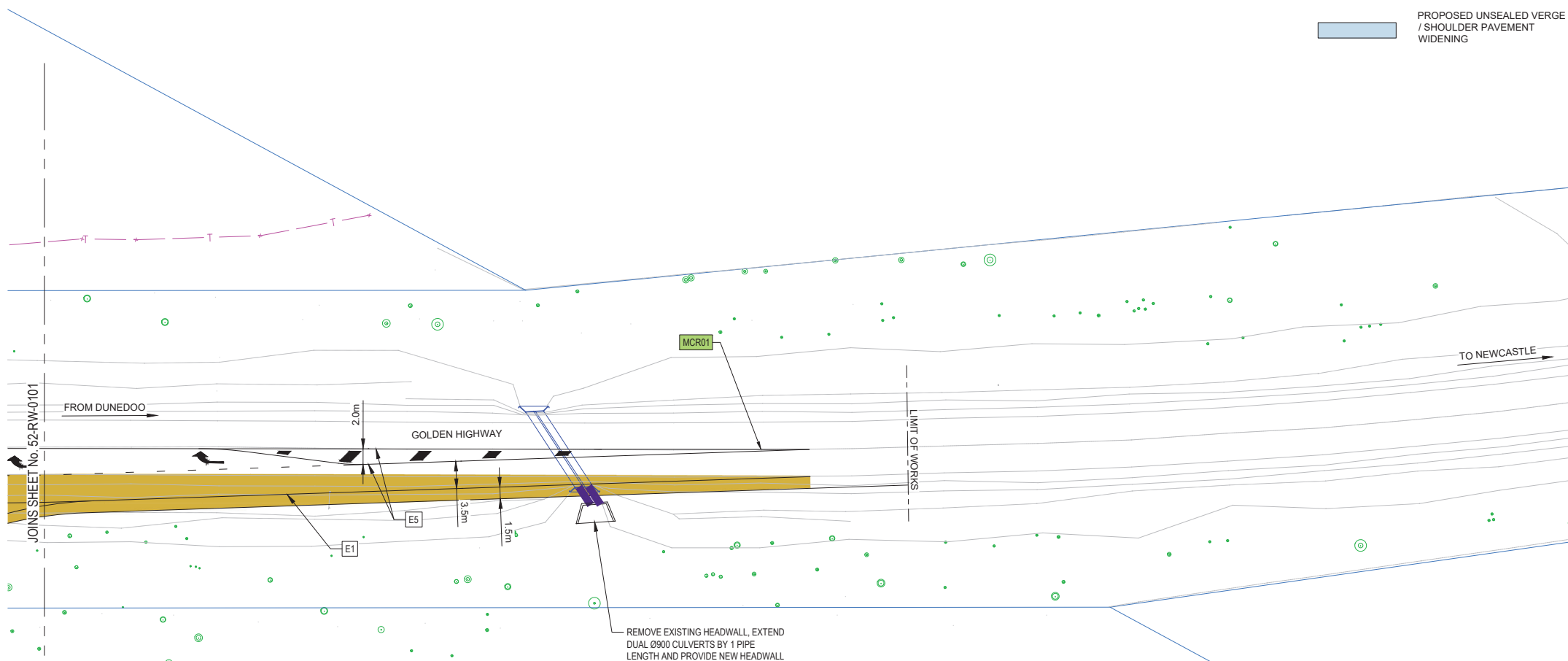


PROPOSED SIGN

PROPOSED SIGN POST -
SINGLE POST

PROPOSED SEALED
PAVEMENT

PROPOSED UNSEALED VERGE
/ SHOULDER PAVEMENT
WIDENING



NOTE:

1. SURVEY SOURCED DE WITT 10/2022

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07	TB	14.06.24	STRATEGIC DESIGN ISSUE		TB
06	TB	13.06.24	STRATEGIC DESIGN ISSUE		TB
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No	RY	DATE	DESCRIPTION		APPO

SCALES

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1:500 FULL SIZE A3

CLIENT

 **ACEN** | Australia

CONSULTANT

RAMBOLL

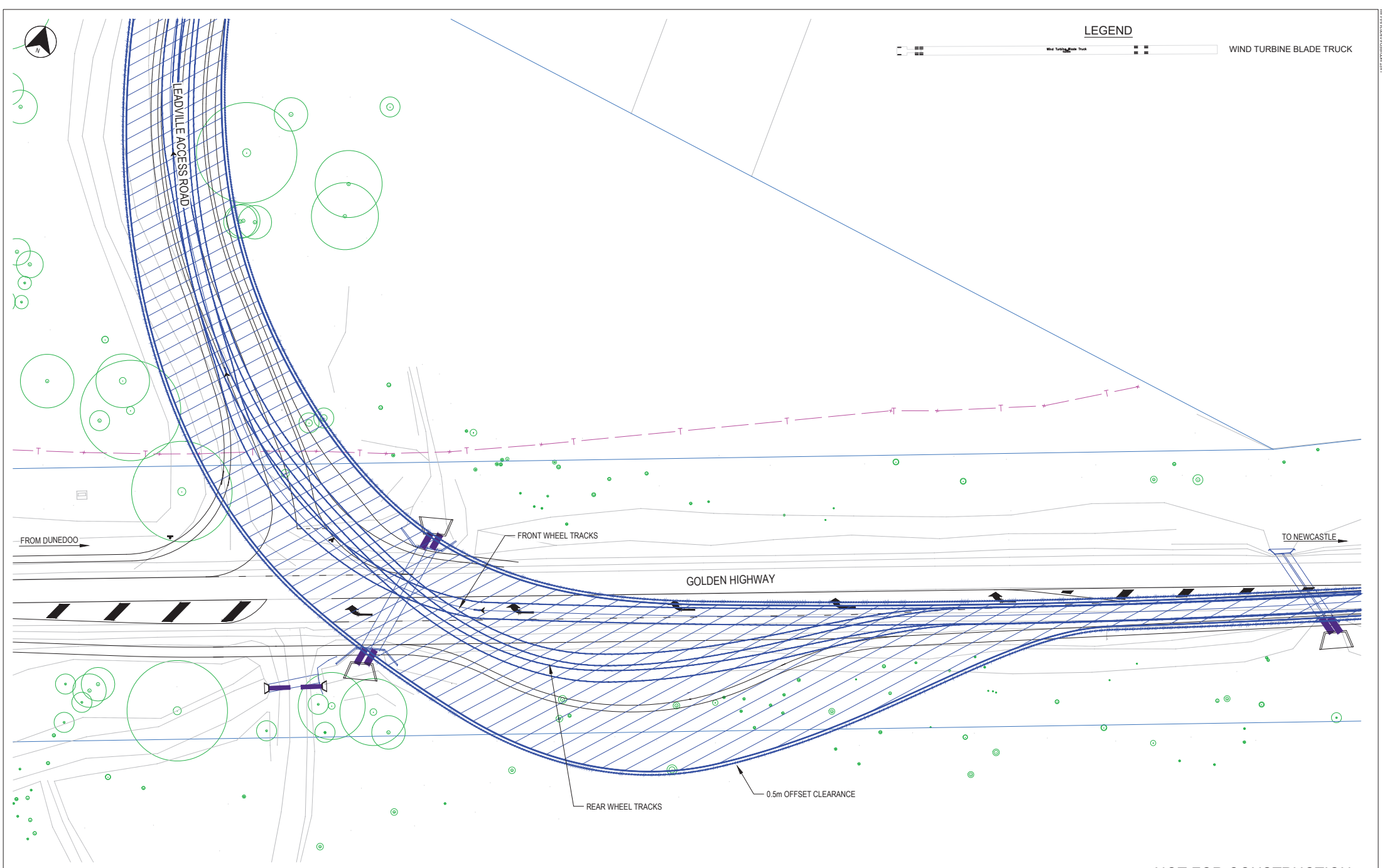
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BTE
CONSULTING

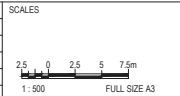
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ABN 48 641 009 681 ACN 641 009 681

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APPROVED		DATE	
SIGNED			

VALLEY OF THE WINDS		
GOLDEN HWY / LEADVILLE ACCESS ROAD INTERSECTION DETAIL PLAN SHEET 2 OF 2		
PROJECT NO RTE-220034	SHEET NO SHT-52-RW-0102	STATUS STRATEGIC DESIGN



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04	TB	17.05.24	STRATEGIC DESIGN ISSUE
No.	BY	DATE	DESCRIPTION
			APPD



CLIENT

ACEN Australia

CONSULTANT

DESIGNER

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ABN 48 641 009 681 ACN 641 009 681

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APPROVED		DATE	
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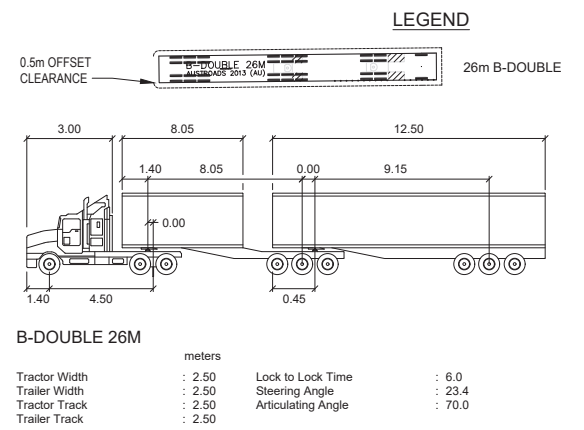
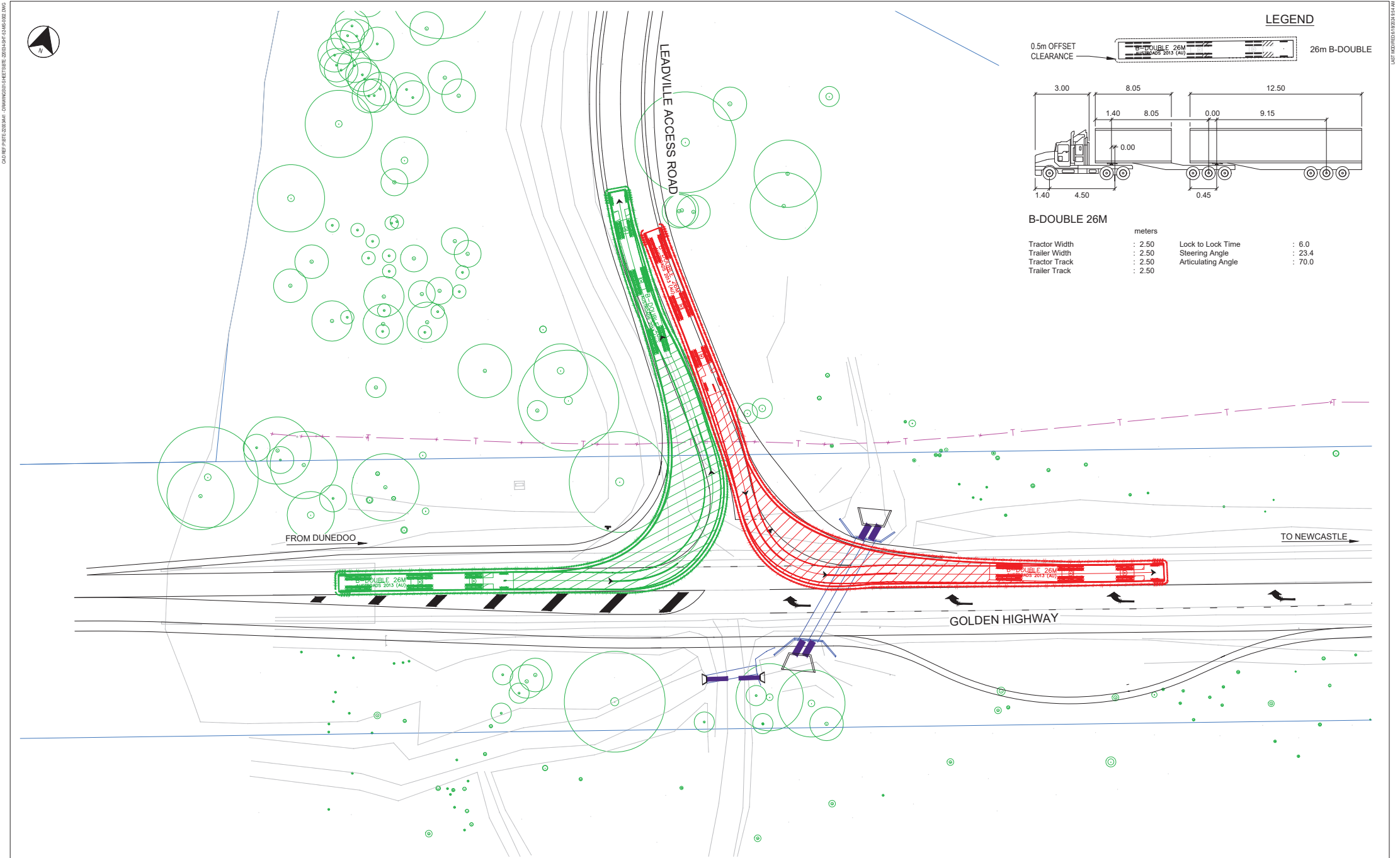
NOT FOR CONSTRUCTION

VALLEY OF THE WINDS

GOLDEN HWY / LEADVILLE ACCESS ROAD INTERSECTION
VEHICLE TURNPATH PLAN
SHEET 1 OF 3

PROJECT NO: BTE-220034 SHEET NO: SHT-52-MS-0001 STATUS: STRATEGIC DESIGN

SHEET 24 OF 26



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04	TB	17.05.24	STRATEGIC DESIGN ISSUE	TB

SCALES

2.5 0 2.5 5 7.5m

1: 500 FULL SIZE A3

CLIENT

ACEN Australia

CONSULTANT

RAMBOLL

DESIGNER

BTE CONSULTING

BTE CONSULTING PTY LTD
ABN 48 641 009 681 ACN 641 009 681

SCALE	1:500	REVISION	09
DESIGNED	TB	CHECKED	BS
DRAWN	TB	CHECKED	BS
APPROVED		DATE	
SIGNED			

NOT FOR CONSTRUCTION

VALLEY OF THE WINDS

GOLDEN HWY / LEADVILLE ACCESS ROAD INTERSECTION
VEHICLE TURNPATH PLAN
SHEET 2 OF 3

PROJECT NO: BTE-220034 SHEET NO: SHT-52-MS-0002 STATUS: STRATEGIC DESIGN

SHEET 25 OF 26



LEADVILLE ACCESS ROAD

FROM DUNEDOO

TO NEWCASTLE

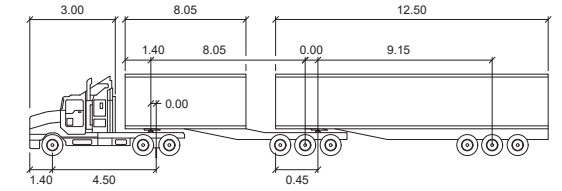
GOLDEN HIGHWAY

LEGEND

0.5m OFFSET
CLEARANCE



26m B-DOUBLE

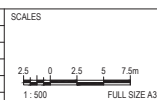


B-DOUBLE 26M

meters

Tractor Width	: 2.50	Lock to Lock Time	: 6.0
Trailer Width	: 2.50	Steering Angle	: 23.4
Tractor Track	: 2.50	Articulating Angle	: 70.0
Trailer Track	: 2.50		

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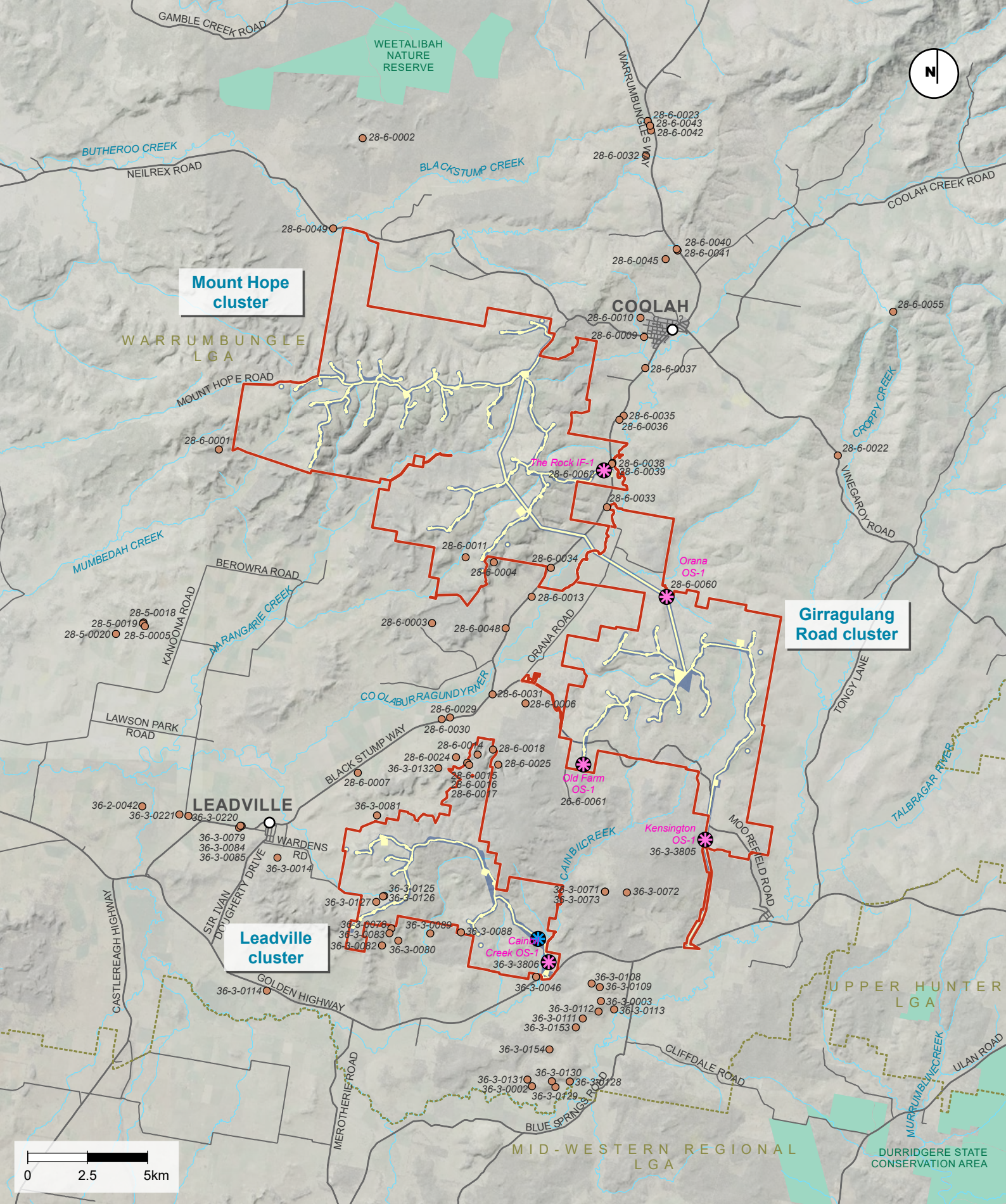
VALLEY OF THE WINDS			
GOLDEN HWY / LEADVILLE ACCESS ROAD INTERSECTION			
VEHICLE TURNPATH PLAN			
SHEET 3 OF 3			
PROJECT NO	BTE-220034	SHEET NO	SHT-52-MS-0003
		STATUS	STRATEGIC DESIGN

NOT FOR CONSTRUCTION

SHEET 26 OF 26

Attachment 6

Aboriginal heritage sites



KEY

- | | | |
|--|---|--|
| Project site | ✳ Aboriginal site (OzArk) | LGA boundaries |
| Indicative construction footprint | ✳ Potential ring tree (OzArk) | National Parks and Reserves |
| Development corridor | ● AHIMS record (NSW DPHI, at EIS stage) | |

Figure A5-1 | Aboriginal heritage sites

RAMBOLL AUSTRALIA - GIS MAP file : 318001172_GIS_P013_RFIresponse | F008_EIS_AbHER_Sites_V04
Aerial photography from NSW Government Spatial Services