APPENDIX 6

Project Layout and Transport Route Maps

Crudine Ridge Wind Farm Pty Ltd

Figure 3.1A: Crudine Ridge Wind Farm – Layout Option A

Figure 3.2A: Crudine Ridge Wind Farm – Layout Option B

Figure 3.3A: Layout Option A and B – Pyramul Cluster

Figure 3.5A: Layout Option A and B – Sallys Flat Cluster

Figure A: Identification of buildings and residences in proximity to the Project

Figure 1: Aarons Pass Road –
Road upgrade and passing bay works identified for OM / OS vehicles

Figure 2: Aarons Pass Road 0 – 5 km - Proposed road upgrades and passing bays

Figure 3: Aarons Pass Road 5 – 10 km – Proposed road upgrades and passing bays

Figure 4: Aarons Pass Road 10 – 15 km – Proposed road upgrades and passing bays

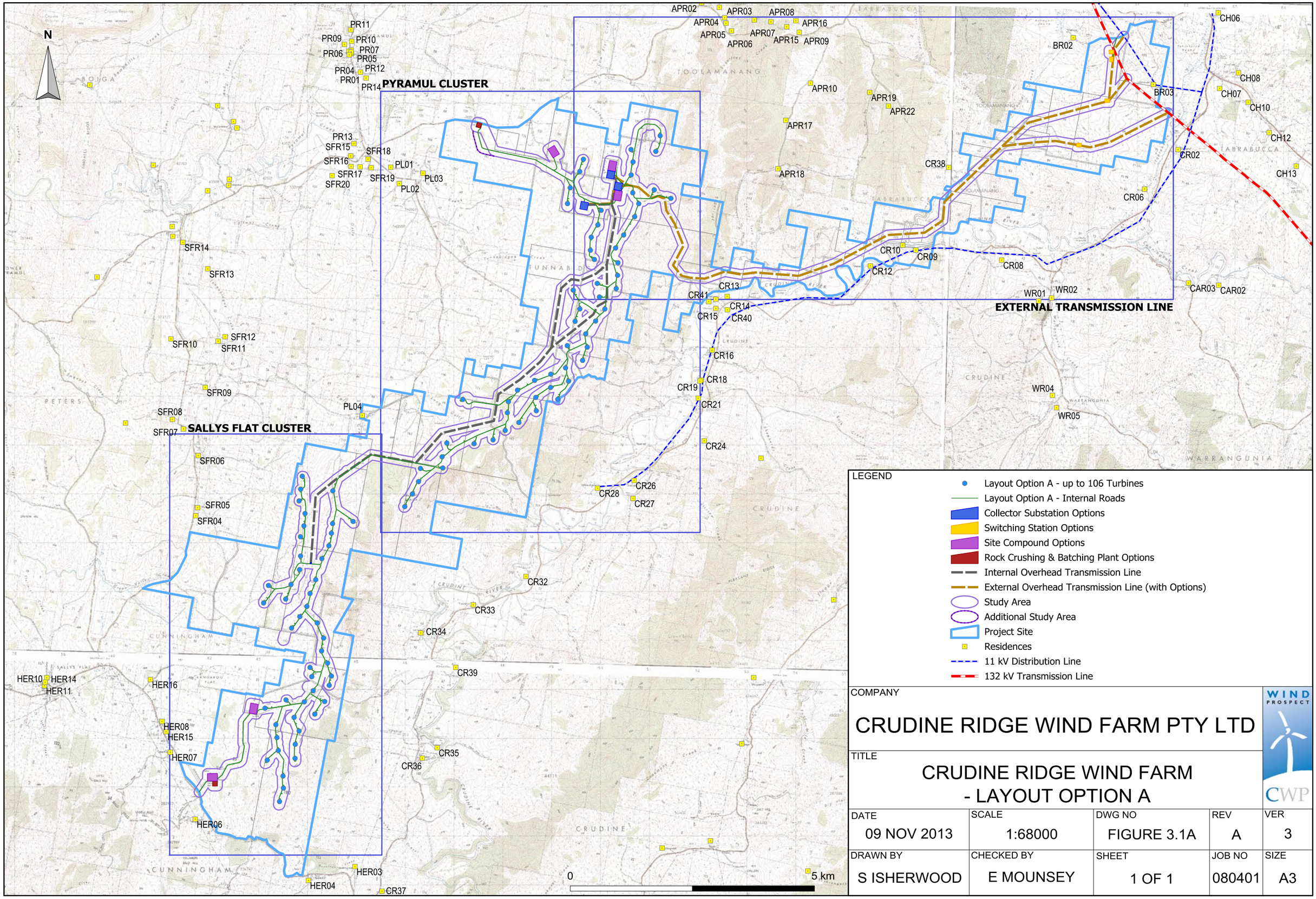
Figure 5: Aarons Pass Road 15 – 20 km – Proposed road upgrades and passing bays

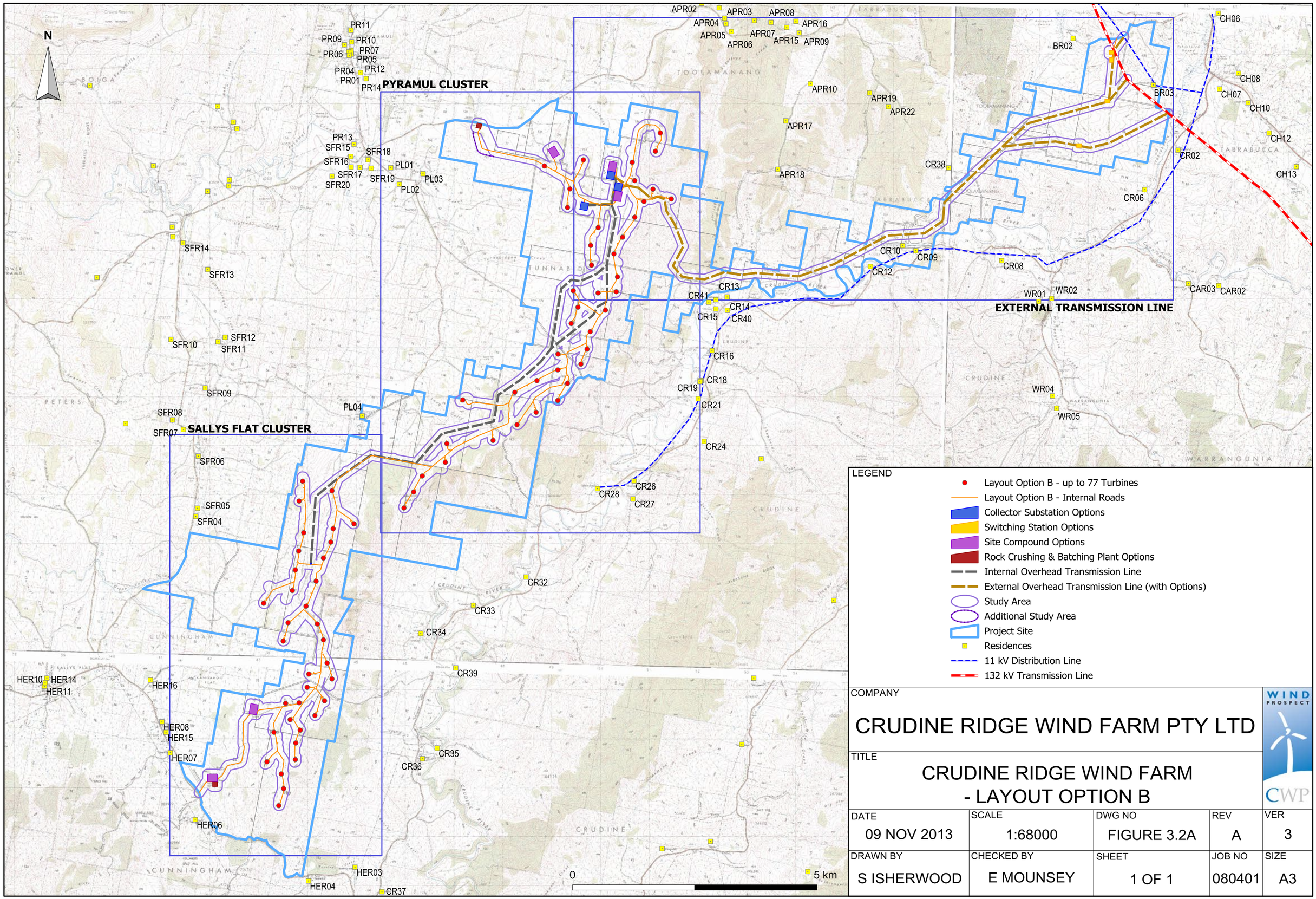
Figure 6.1: Proposed over-dimensional vehicle route options for Project construction

Figure 6.2: Proposed over-dimensional vehicle route options, Gulgong

Figure 6.3: Proposed over-dimensional vehicle route options, Mudgee

Figure 6.4: Proposed standard heavy vehicle route options for Project construction


N
PYRAMUL CLUSTER
SALLYS FLAT CLUSTER
EXTERNAL TRANSMISSION LINE
PR11
PR09
PR10
PR06
PR07
PR05
PR04
PR12
PR01
PR14
PR13
SFR15
SFR18
SFR16
PL01
SFR17
SFR19
PL03
SFR20
PL02
SFR14
SFR13
SFR12
SFR10
SFR11
SFR09
SFR08
SFR07
PL04
SFR06
SFR05
SFR04
HER10
HER14
HER11
HER16
HER08
HER15
HER07
HER06
HER03
HER04
CR37
APR02
APR03
APR08
APR04
APR16
APR05
APR07
APR15
APR06
APR09
APR10
APR19
APR22
APR17
APR18
BR02
BR03
CH06
CH08
CH07
CH10
CH12
CH13
CR02
CR38
CR06
CR10
CR09
CR12
CR08
CR13
CR41
CR14
CR15
CR40
WR01
WR02
CAR03
CAR02
CR16
CR18
CR19
CR21
WR04
WR05
CR24
CR26
CR28
CR27
CR32
CR33
CR34
CR39
CR35
CR36
0
5 km
LEGEND
Layout Option A - up to 106 Turbines
Layout Option A - Internal Roads
Collector Substation Options
Switching Station Options
Site Compound Options
Rock Crushing & Batching Plant Options
Internal Overhead Transmission Line
External Overhead Transmission Line (with Options)
Study Area
Additional Study Area
Project Site
Residences
11 kV Distribution Line
132 kV Transmission Line
COMPANY
CRUDINE RIDGE WIND FARM PTY LTD
TITLE
CRUDINE RIDGE WIND FARM
- LAYOUT OPTION A
WIND PROSPECT
CWP
DATE
09 NOV 2013
SCALE
1:68000
DWG NO
FIGURE 3.1A
REV
A
VER
3
DRAWN BY
S ISHERWOOD
CHECKED BY
E MOUNSEY
SHEET
1 OF 1
JOB NO
080401
SIZE
A3



COMPANY

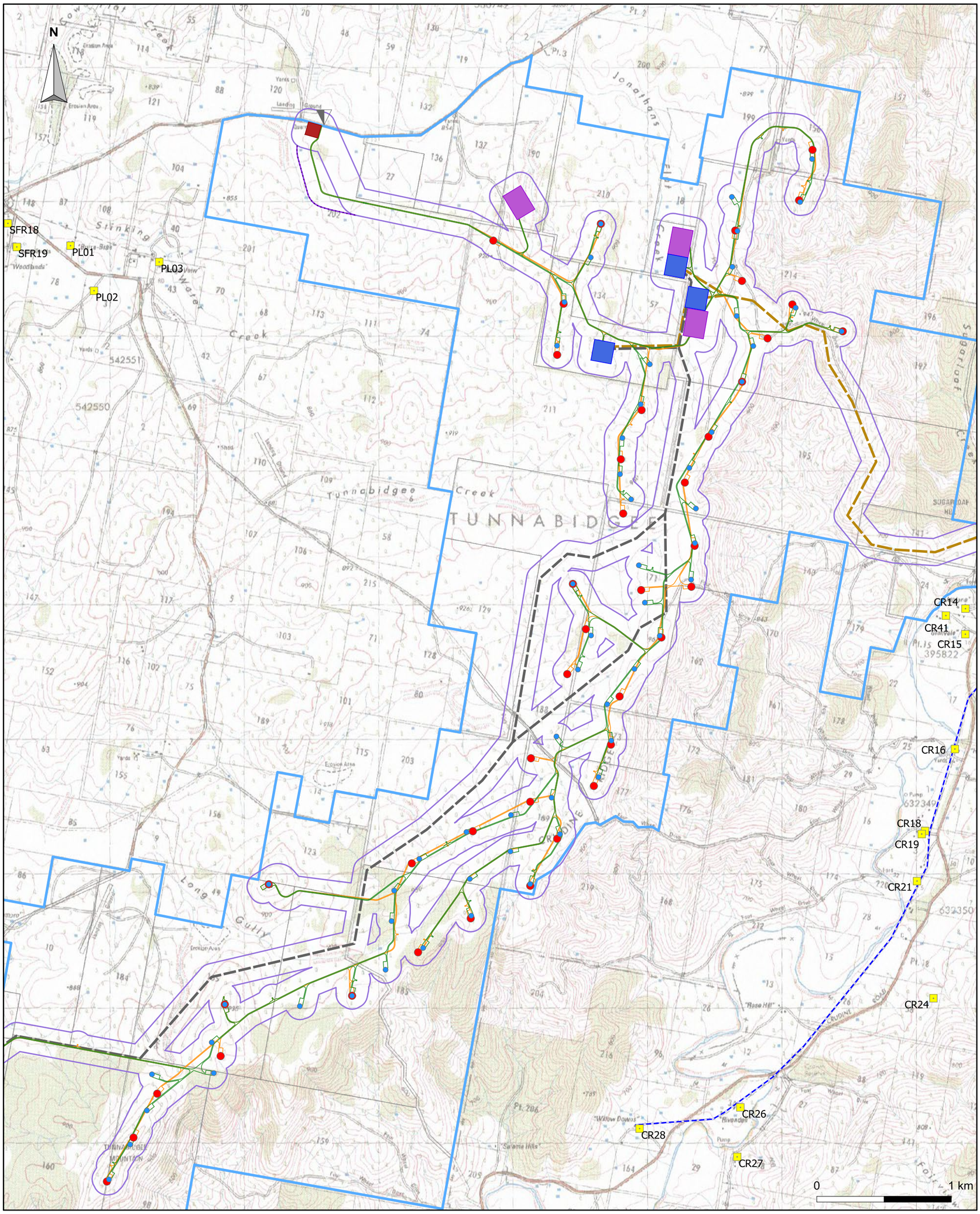
CRUDINE RIDGE WIND FARM PTY LTD

TITLE

CRUDINE RIDGE WIND FARM - LAYOUT OPTION B

DATE	SCALE	DWG NO	REV	VER
09 NOV 2013	1:68000	FIGURE 3.2A	A	3
DRAWN BY	**CHECKED BY**	**SHEET**	**JOB NO**	**SIZE**
S ISHERWOOD	E MOUNSEY	1 OF 1	080401	A3

FIGURE 3.3A: LAYOUT OPTION A AND B - PYRAMUL CLUSTER



LEGEND

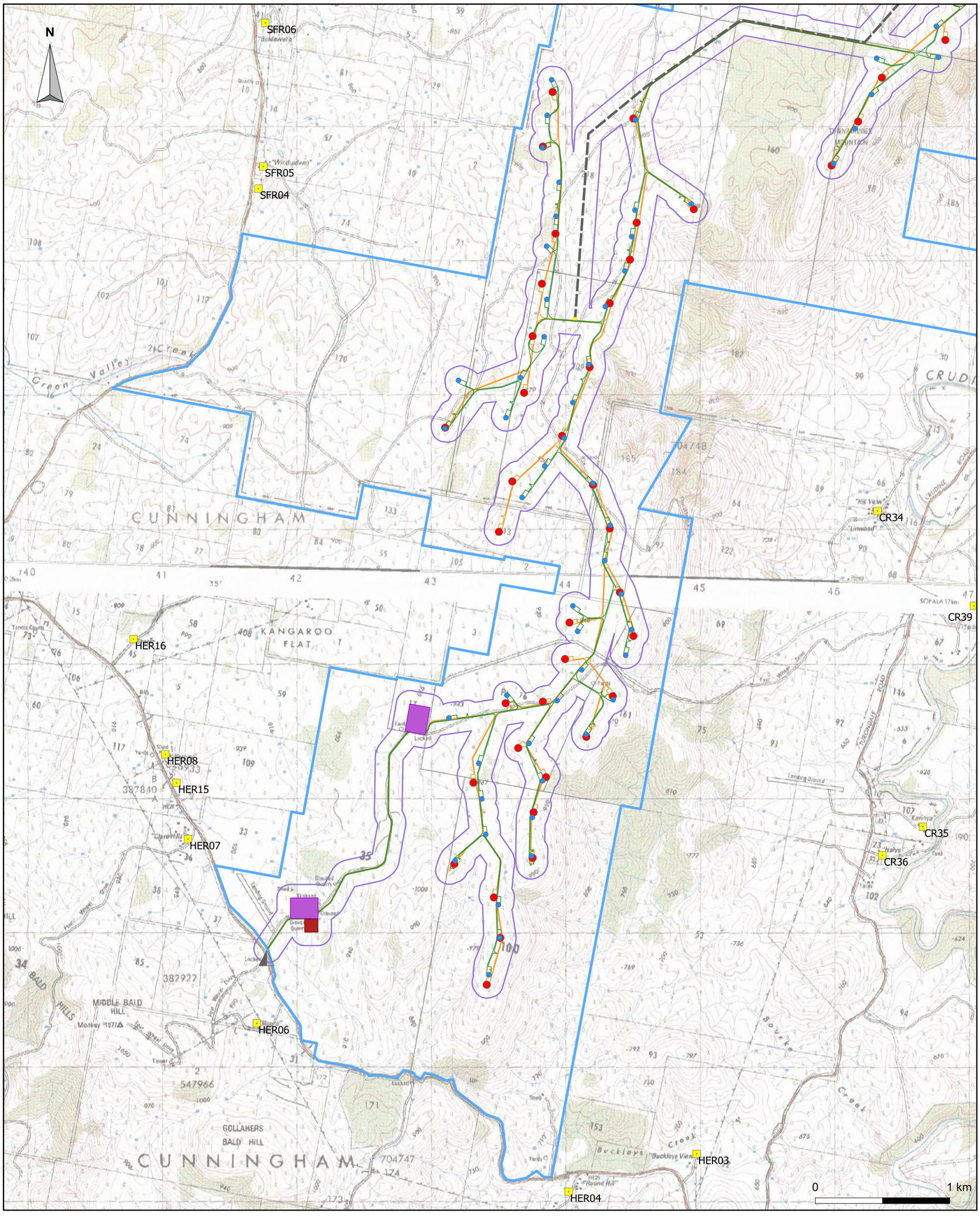
- Layout Option A - up to 106 Turbines
- Layout Option B - up to 77 Turbines
- Layout Option A - Internal Roads
- Layout Option B - Internal Roads
- Collector Substation Options
- Site Compound Options
- Rock Crushing & Batching Plant Options
- Internal Overhead Transmission Line
- External Overhead Transmission Line (with Options)
- Northern Site Access Point
- Study Area
- Additional Study Area
- Project Site
- Residences
- 11 kV Distribution Line

COMPANY			
CRUDINE RIDGE WIND FARM PTY LTD			
TITLE			
LAYOUT OPTION A AND B PYRAMUL CLUSTER			
DATE	SCALE	DWG NO	REV/VER
23 JUL 2013	1:27000	FIGURE 3.3A	A3
DRAWN BY	CHECKED BY	SHEET	JOB NO	SIZE
S ISHERWOOD	E MOUNSEY	1 OF 1	080401	A3

WIND PROSPECT CWP

2013

FIGURE 3.5A: LAYOUT OPTION A AND B - SALLYS FLAT CLUSTER



LEGEND

- Layout Option A - up to 106 Turbines
- Layout Option B - up to 77 Turbines
- Layout Option A - Internal Roads
- Layout Option B - Internal Roads
- Secondary Collector Substation (Located at the southern terminal of the Internal Overhead Transmission Line)
- Site Compound Options
- Rock Crushing & Batching Plant Options
- Southern Site Access Point
- Internal Overhead Transmission Line
- Study Area
- Project Site
- Residences

COMPANY

CRUDINE RIDGE WIND FARM PTY LTD

TITLE

LAYOUT OPTION A AND B
SALLYS FLAT CLUSTER

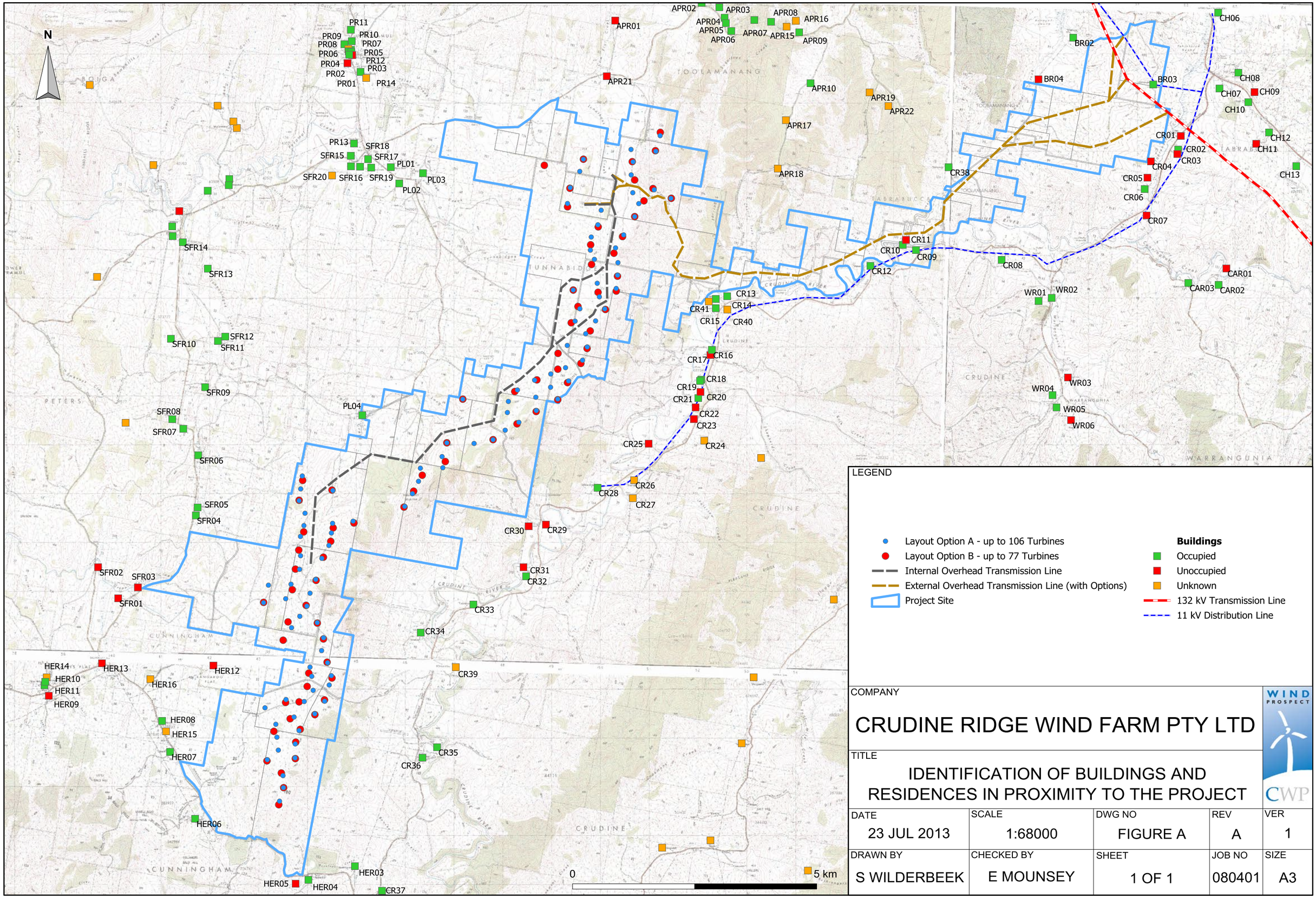
DATE	SCALE	DWG NO	REV/VER
09 NOV 2013	1:27000	FIGURE 3.5A	A4
DRAWN BY	**CHECKED BY**	**SHEET**	**JOB NO** / **SIZE**
S ISHERWOOD	E MOUNSEY	1 OF 1	080401 / A3

WIND PROSPECT CWP

2013

FIGURE A: IDENTIFICATION OF BUILDINGS AND RESIDENCES IN PROXIMITY TO THE PROJECT

2013



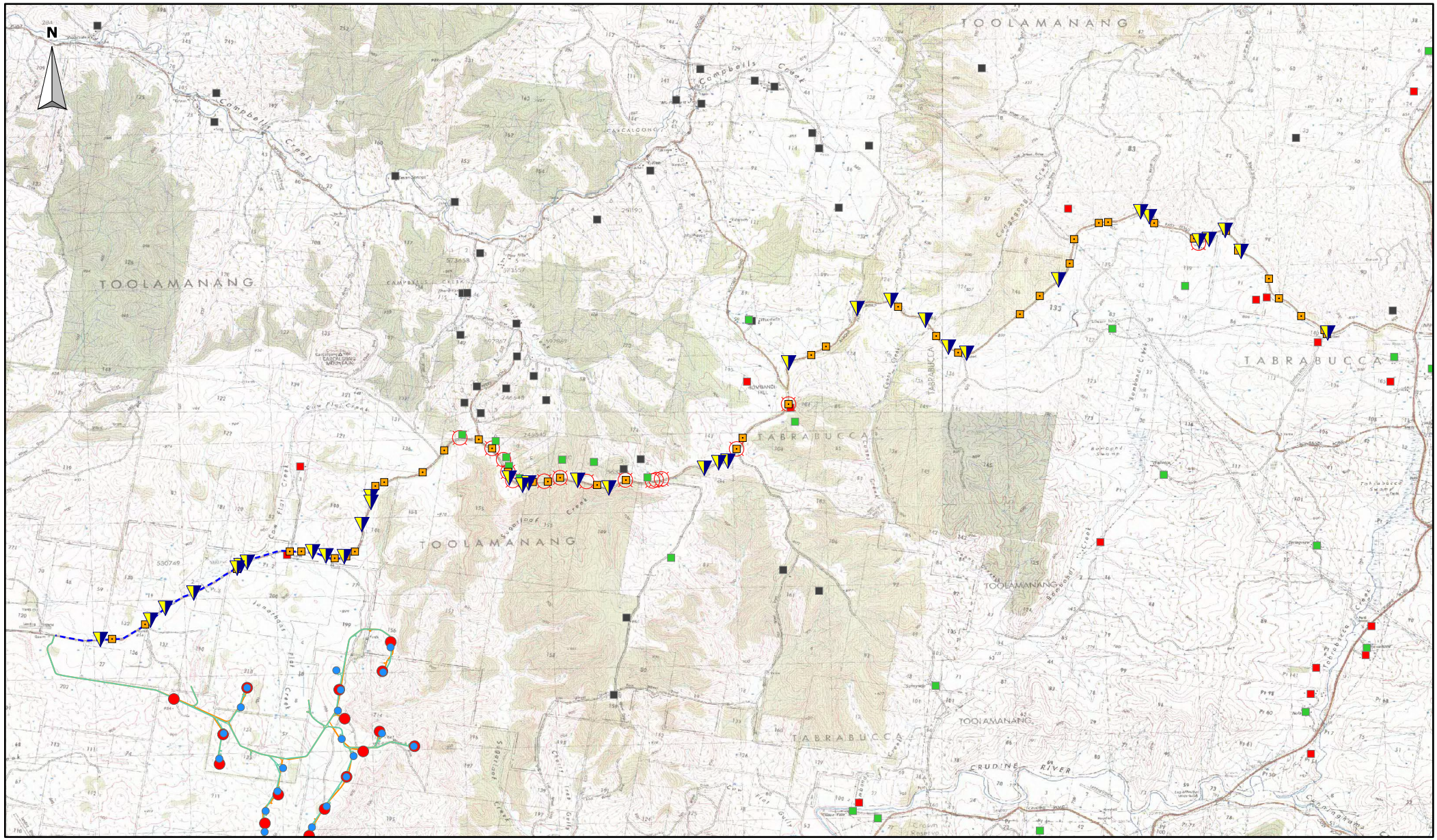
COMPANY

CRUDINE RIDGE WIND FARM PTY LTD

TITLE

IDENTIFICATION OF BUILDINGS AND RESIDENCES IN PROXIMITY TO THE PROJECT

DATE	SCALE	DWG NO	REV	VER
23 JUL 2013	1:68000	FIGURE A	A	1
DRAWN BY	**CHECKED BY**	**SHEET**	**JOB NO**	**SIZE**
S WILDERBEEK	E MOUNSEY	1 OF 1	080401	A3



LEGEND

Upgrade Works
- Road works recommended
- Potential passing bay
- Recommend widen road to 6 m
- Gateway access to residence

Buildings
- Occupied
- Unoccupied
- Unknown

Project Layout
- Layout Option A - up to 106 Turbines
- Layout Option B - up to 77 Turbines
- Layout Option A - Internal Roads
- Layout Option B - Internal Roads

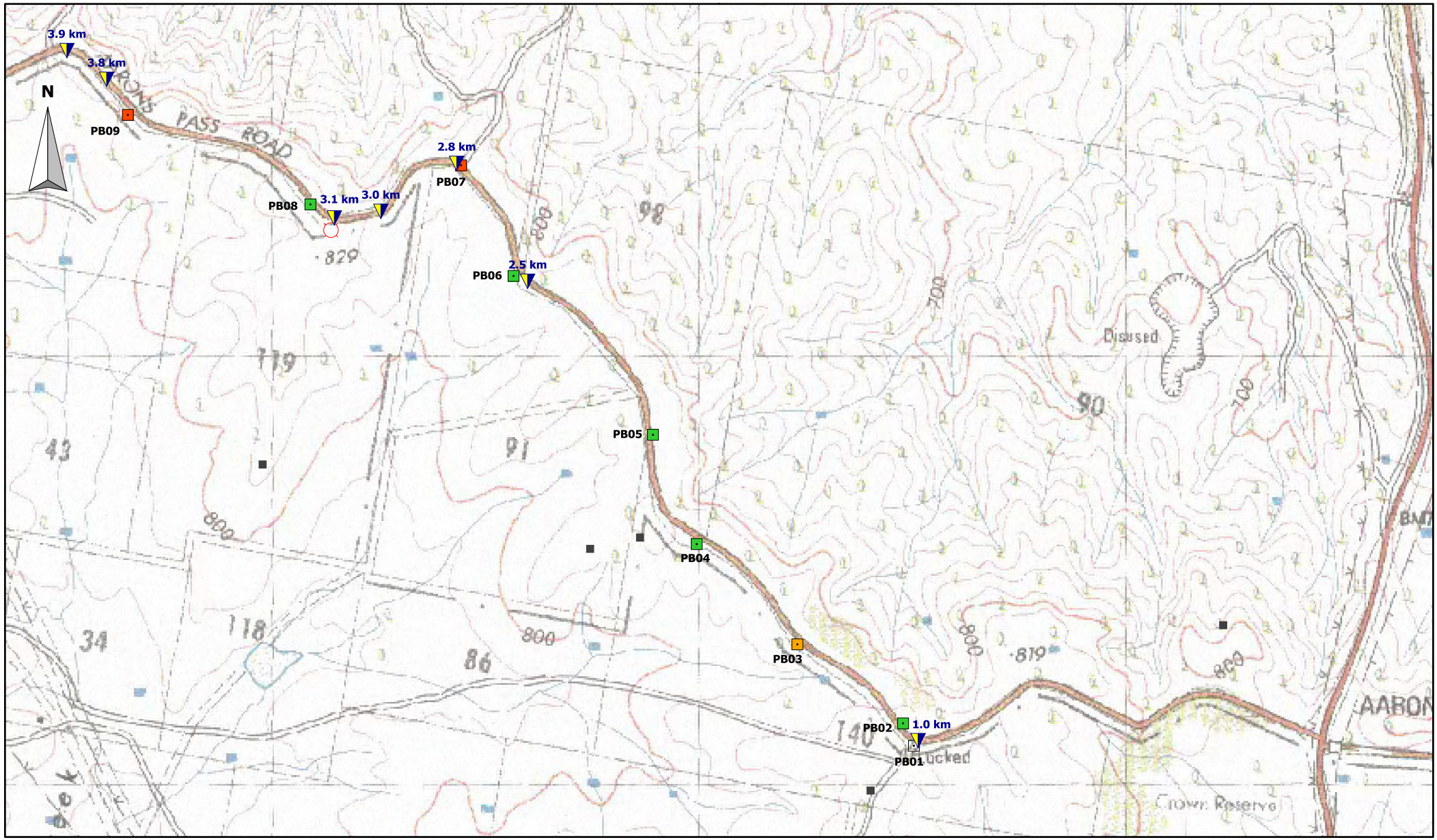
Background imagery: derived from GEODATA Topo250K; All other data: WPCWP

SCALE BAR 0 5 km

COMPANY
CRUDINE RIDGE WIND FARM PTY LTD

TITLE
FIGURE 1: AARONS PASS ROAD - ROAD UPGRADE AND PASSING BAY WORKS IDENTIFIED FOR OM/OS VEHICLES

DATE	SCALE	DWG NO	REV	VER
22 JUL 2013	1:40000	CRU131	A	2
DRAWN BY	CHECKED BY	SHEET	JOB NO	SIZE
S ISHERWOOD	W STONE	1 OF 1	080401	A4



LEGEND

Proposed Road Works
- Road works recommended

Potential Passing Bay Options
- Grade 1: Very good
- Grade 2: Good
- Grade 3: Average
- Removed on detailed assessment

- Building
- Gateway access to residence

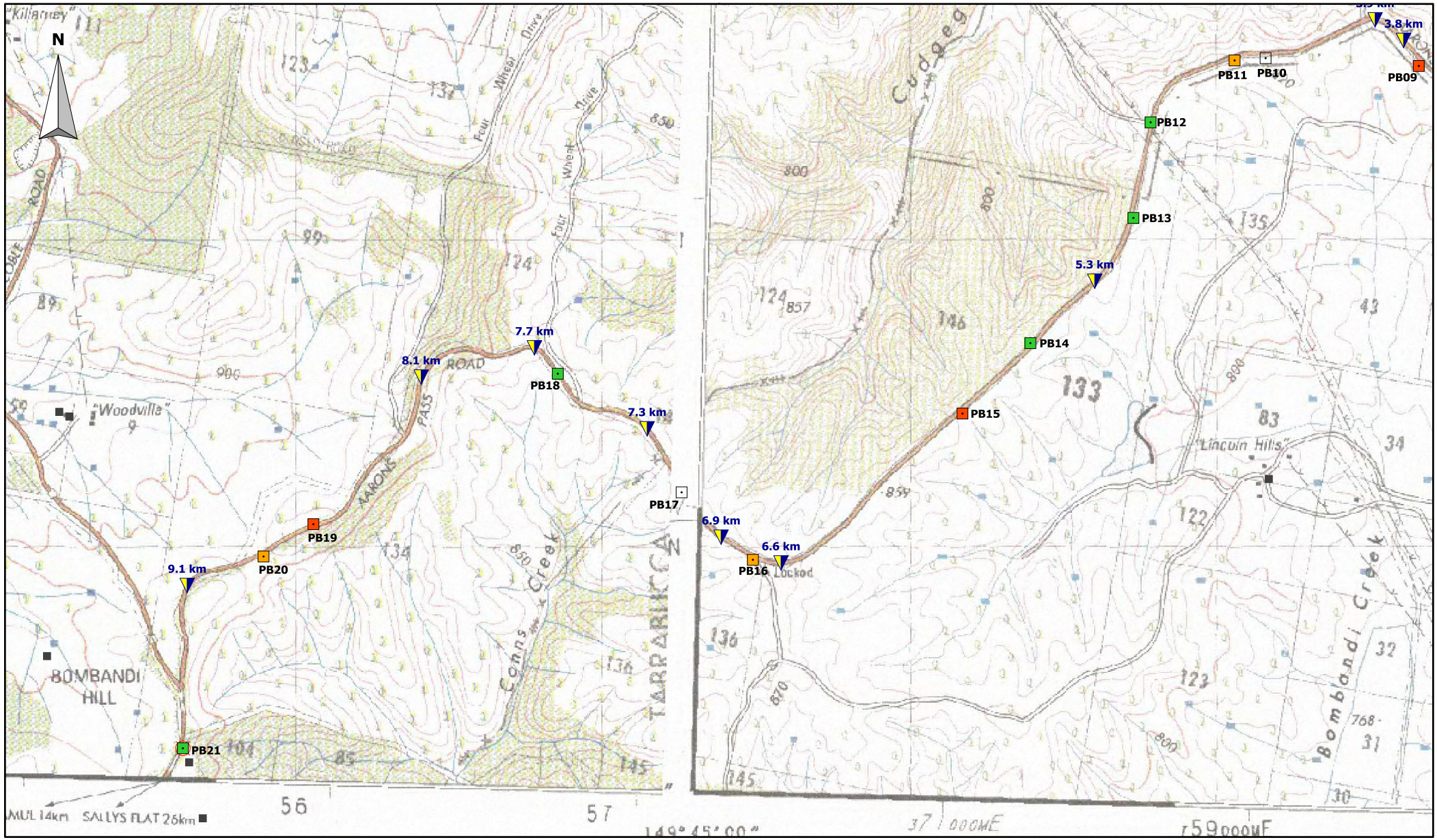
Background imagery: derived from GEODATA Topo250K; All other data: WPCWP

SCALE BAR 0 — 1 km

COMPANY: CRUDINE RIDGE WIND FARM PTY LTD

TITLE: FIGURE 2: AARONS PASS ROAD 0 - 5 KM PROPOSED ROAD UPGRADES AND PASSING BAYS

DATE	SCALE	DWG NO	REV	VER
22 JUL 2013	1:12000	CRU132	A	3
DRAWN BY	**CHECKED BY**	**SHEET**	**JOB NO**	**SIZE**
S ISHERWOOD	E MOUNSEY	1 OF 1	080401	A4



LEGEND

Proposed Road Works

- Road works recommended

Potential Passing Bay Options

- Grade 1: Very good
- Grade 2: Good
- Grade 3: Average
- Removed on detailed assessment

- Building
- Gateway access to residence

Background imagery: derived from GEODATA Topo250K; All other data: WPCWP

SCALE BAR 0 1 km

COMPANY

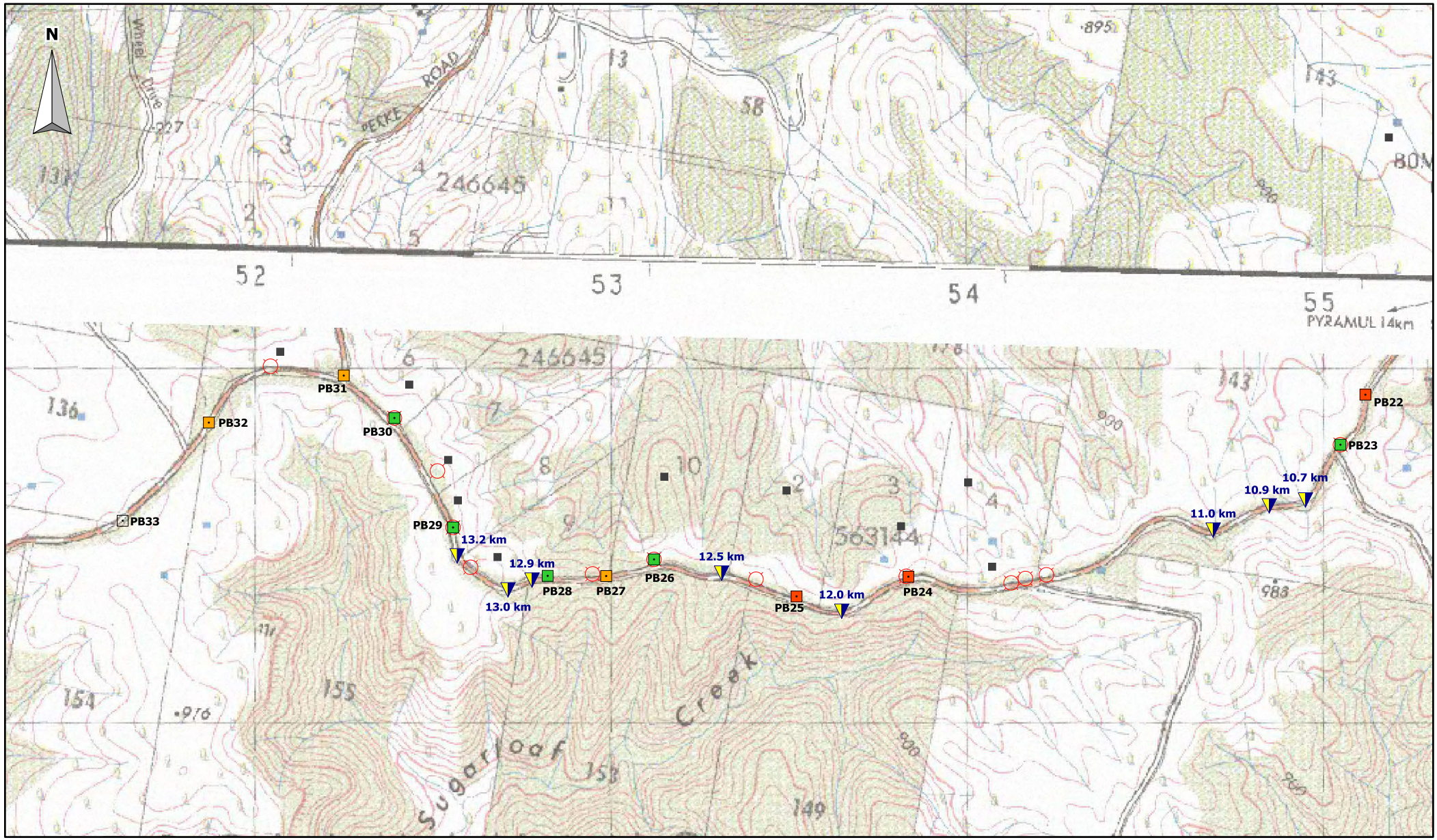
CRUDINE RIDGE WIND FARM PTY LTD

TITLE

FIGURE 3: AARONS PASS ROAD 5 - 10 KM
PROPOSED ROAD UPGRADES AND PASSING BAYS

DATE	SCALE	DWG NO	REV	VER
22 JUL 2013	1:17000	CRU133	A	3

DRAWN BY	CHECKED BY	SHEET	JOB NO	SIZE
S ISHERWOOD	E MOUNSEY	1 OF 1	080401	A4



LEGEND

Proposed Road Works
- Road works recommended

Potential Passing Bay Options
- Grade 1: Very good
- Grade 2: Good
- Grade 3: Average
- Removed on detailed assessment

- Building
- Gateway access to residence

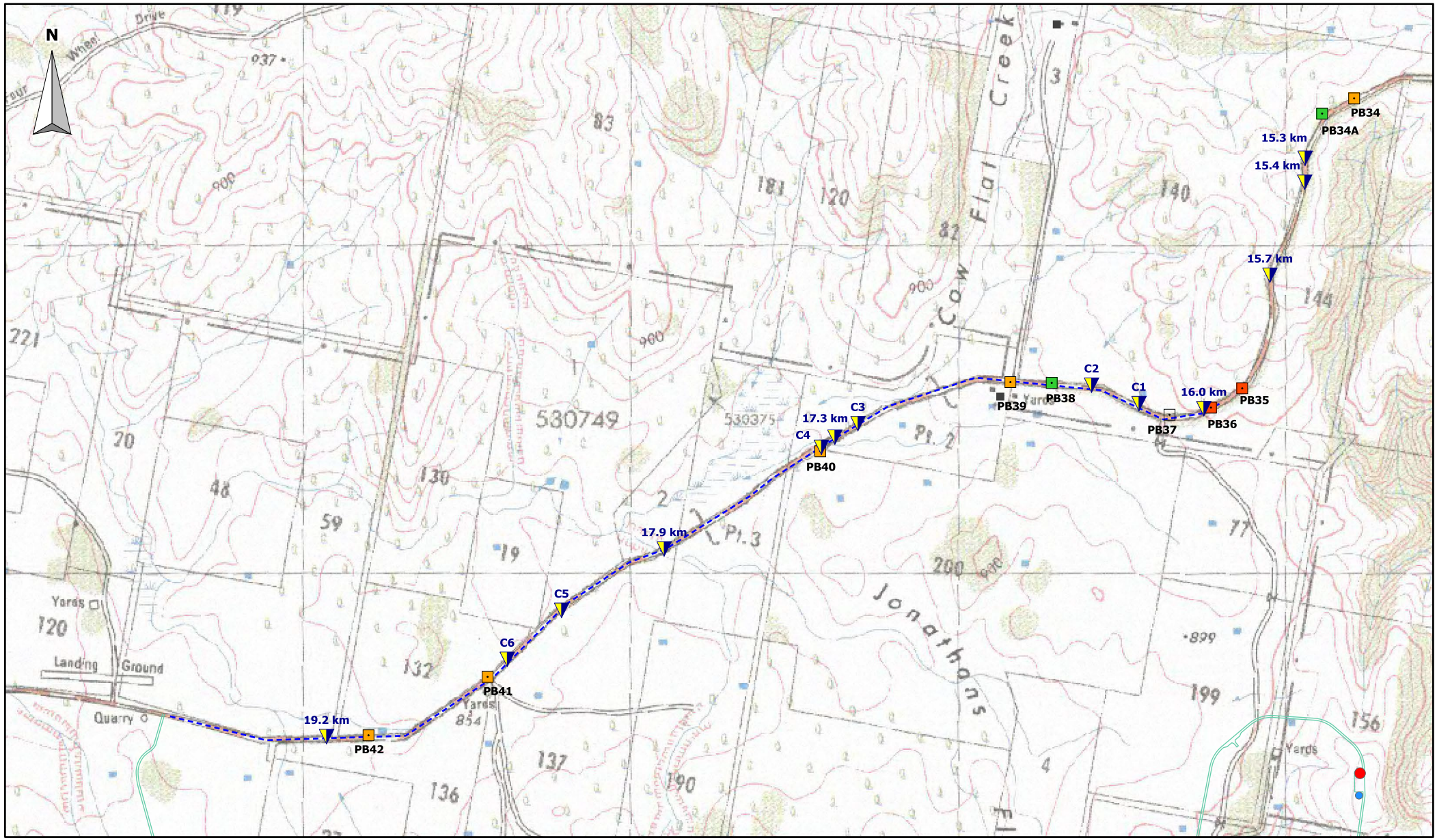
Background imagery: derived from GEODATA Topo250K; All other data: WPCWP

SCALE BAR 0 — 1 km

COMPANY: CRUDINE RIDGE WIND FARM PTY LTD

TITLE: FIGURE 4: AARONS PASS ROAD 10 - 15 KM PROPOSED ROAD UPGRADES AND PASSING BAYS

DATE	SCALE	DWG NO	REV	VER
22 JUL 2013	1:15000	CRU134	A	3
DRAWN BY	CHECKED BY	SHEET	JOB NO	SIZE
S ISHERWOOD	E MOUNSEY	1 OF 1	080401	A4



LEGEND

Proposed Road Works
- Road works recommended
- Recommend widen road to 6 m

Potential Passing Bay Options
- Grade 1: Very good
- Grade 2: Good
- Grade 3: Average
- Removed on detailed assessment

- Building
- Gateway access to residence

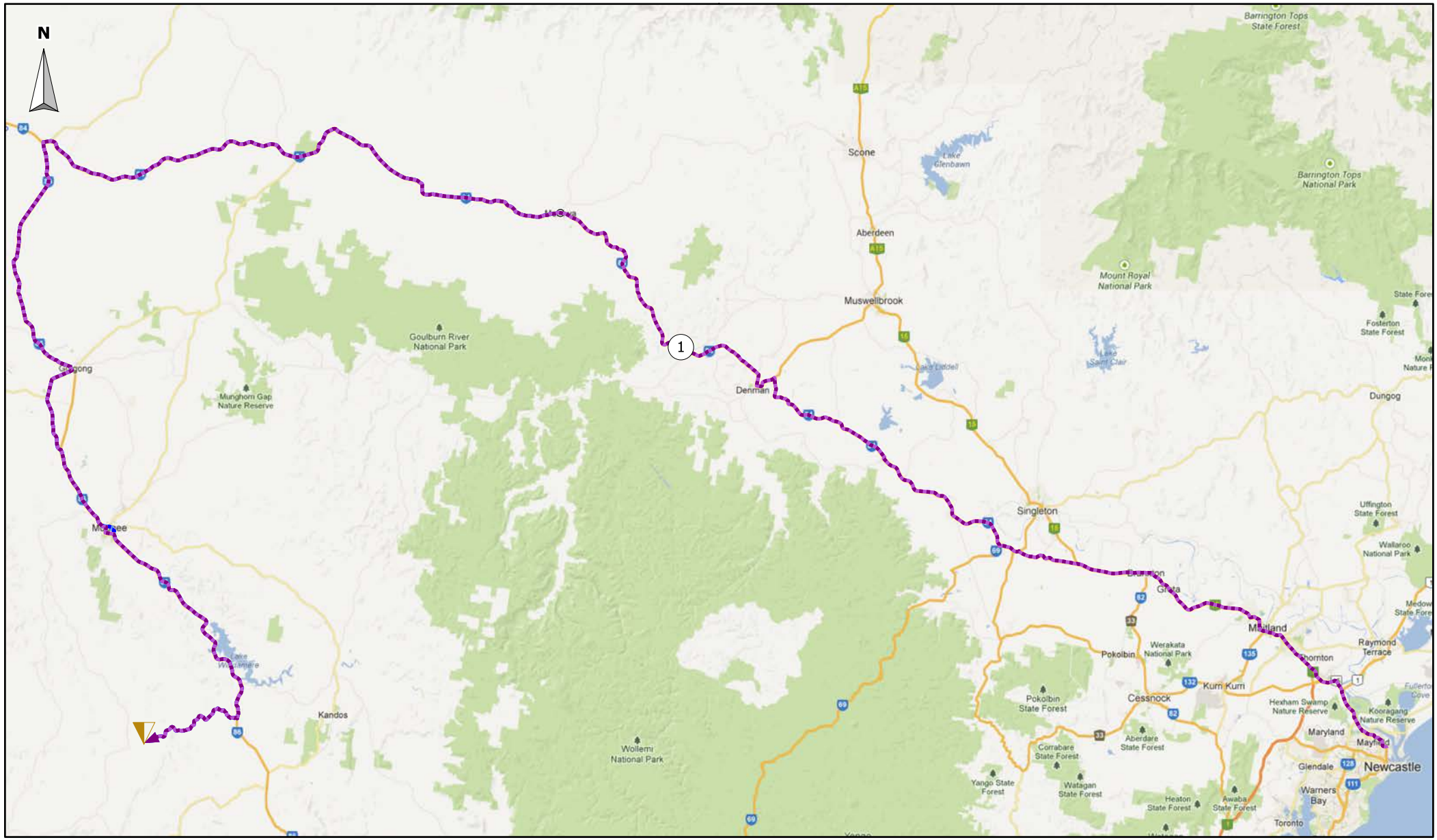
Background imagery: derived from GEODATA Topo250K; All other data: WPCWP

SCALE BAR 0 — 1 km

COMPANY: CRUDINE RIDGE WIND FARM PTY LTD

TITLE: FIGURE 5: AARONS PASS ROAD 15 - 20 KM PROPOSED ROAD UPGRADES AND PASSING BAYS

DATE	SCALE	DWG NO	REV	VER
22 JUL 2013	1:16000	CRU135	A	3
DRAWN BY	CHECKED BY	SHEET	JOB NO	SIZE
S ISHERWOOD	E MOUNSEY	1 OF 1	080401	A4



LEGEND

Over-Dimensional Vehicle Route Options

Route Option 1

Route Option 2

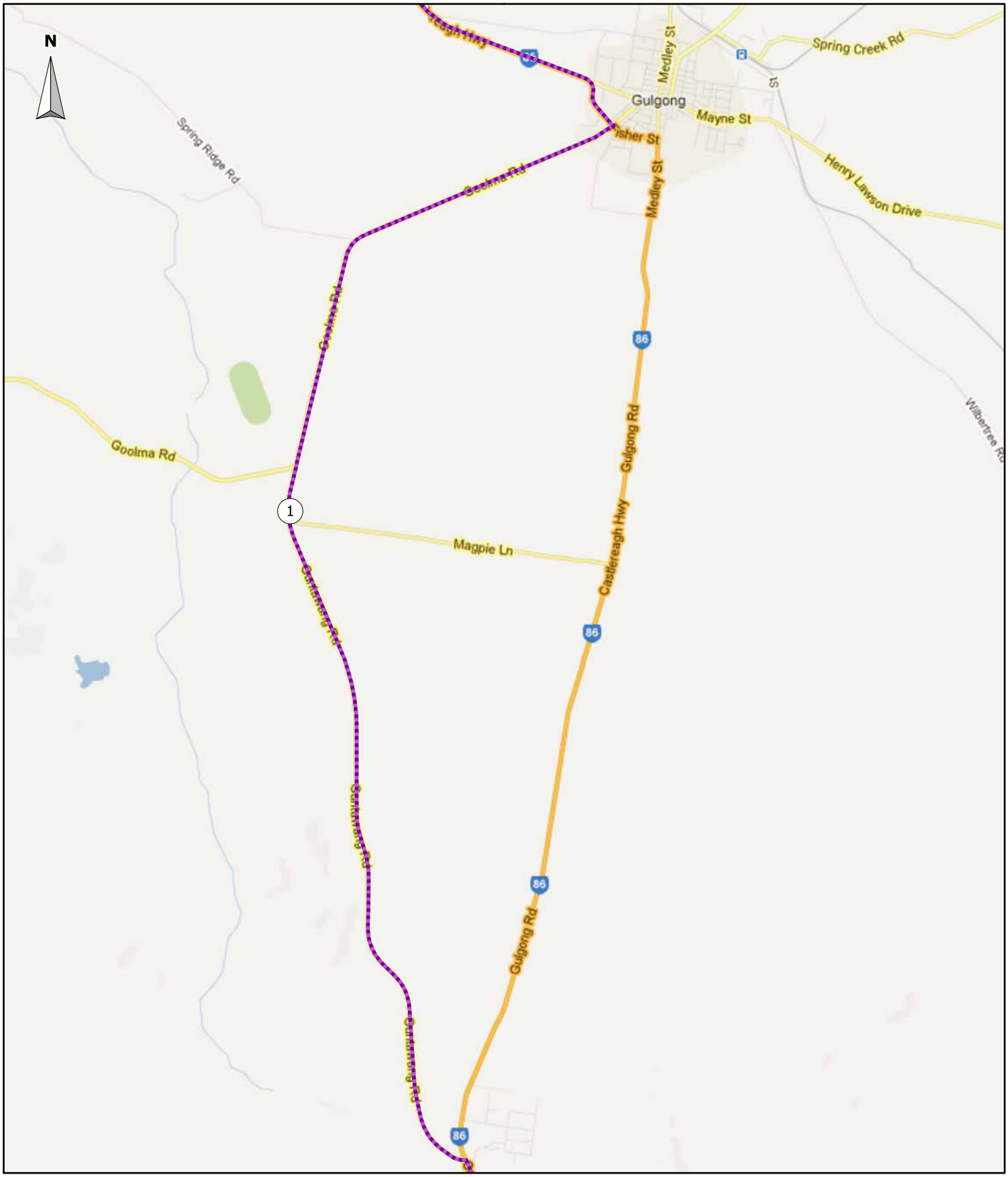
(see Figure 6.3 for Route Option 2)

The Project

Northern Site Access Point

Background imagery: Google Maps; All other data: Google Maps, WPCWP

COMPANY	CRUDINE RIDGE WIND FARM PTY LTD			
TITLE	FIGURE 6.1: PROPOSED OVER-DIMENSIONAL VEHICLE ROUTE OPTIONS FOR PROJECT CONSTRUCTION			
DATE 09 NOV 2013	SCALE 1:820000	DWG NO FIGURE 6.1	REV A	VER 1
DRAWN BY S ISHERWOOD	CHECKED BY E MOUNSEY	SHEET 1 OF 1	JOB NO 080401	SIZE A4



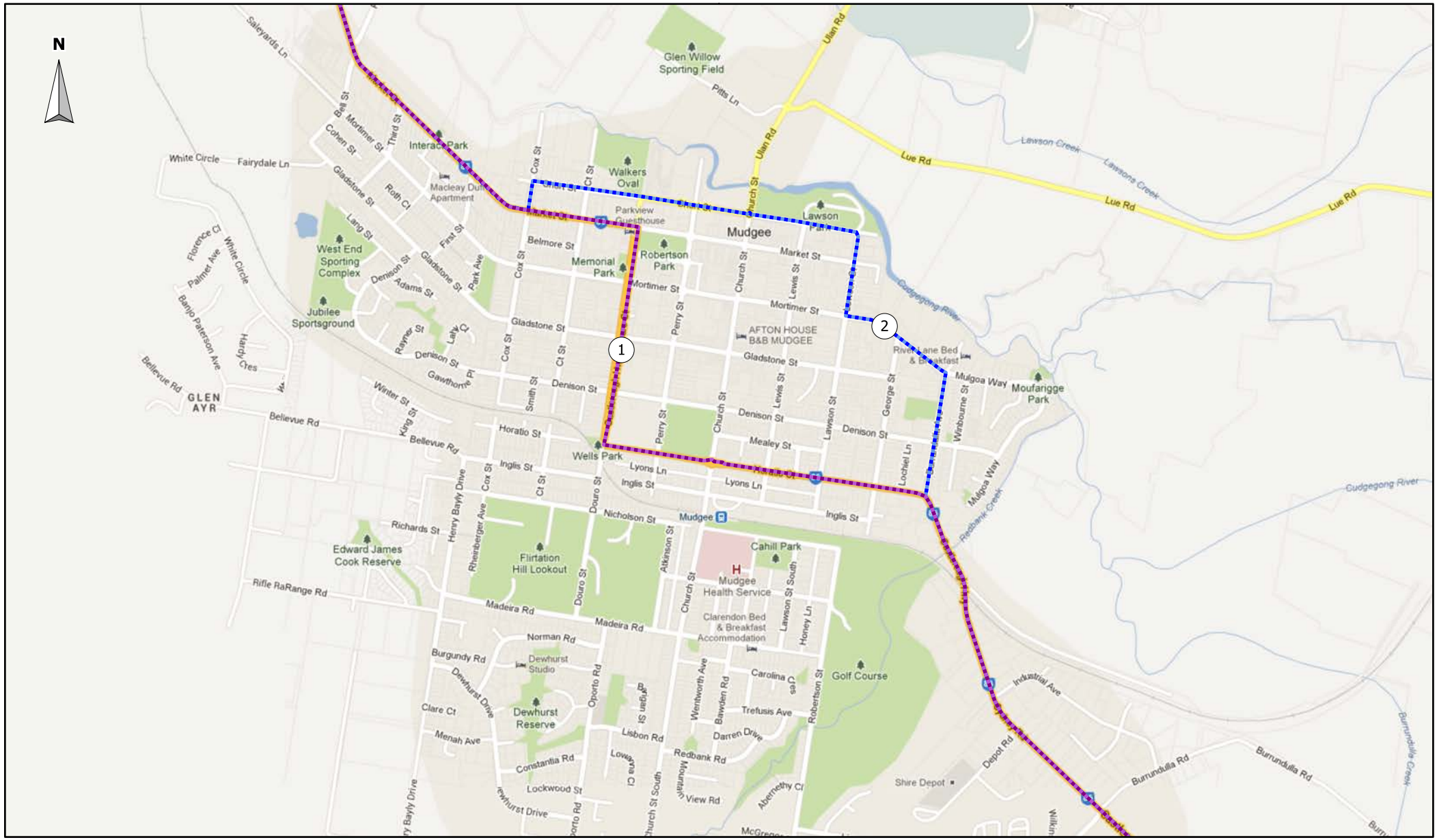
LEGEND

Over-Dimensional Route Options

Route Option 1

Background imagery: Google Maps; All other data: Google Maps, WPCWP

COMPANY				
CRUDINE RIDGE WIND FARM PTY LTD				
TITLE				
FIGURE 6.2: PROPOSED OVER-DIMENSIONAL VEHICLE ROUTE OPTIONS, GULGONG				
DATE	SCALE	DWG NO	REV	VER
09 NOV 2013	1:63000	FIGURE 6.2	A	1
DRAWN BY	CHECKED BY	SHEET	JOB NO	SIZE
S ISHERWOOD	E MOUNSEY	1 OF 1	080401	A4



LEGEND

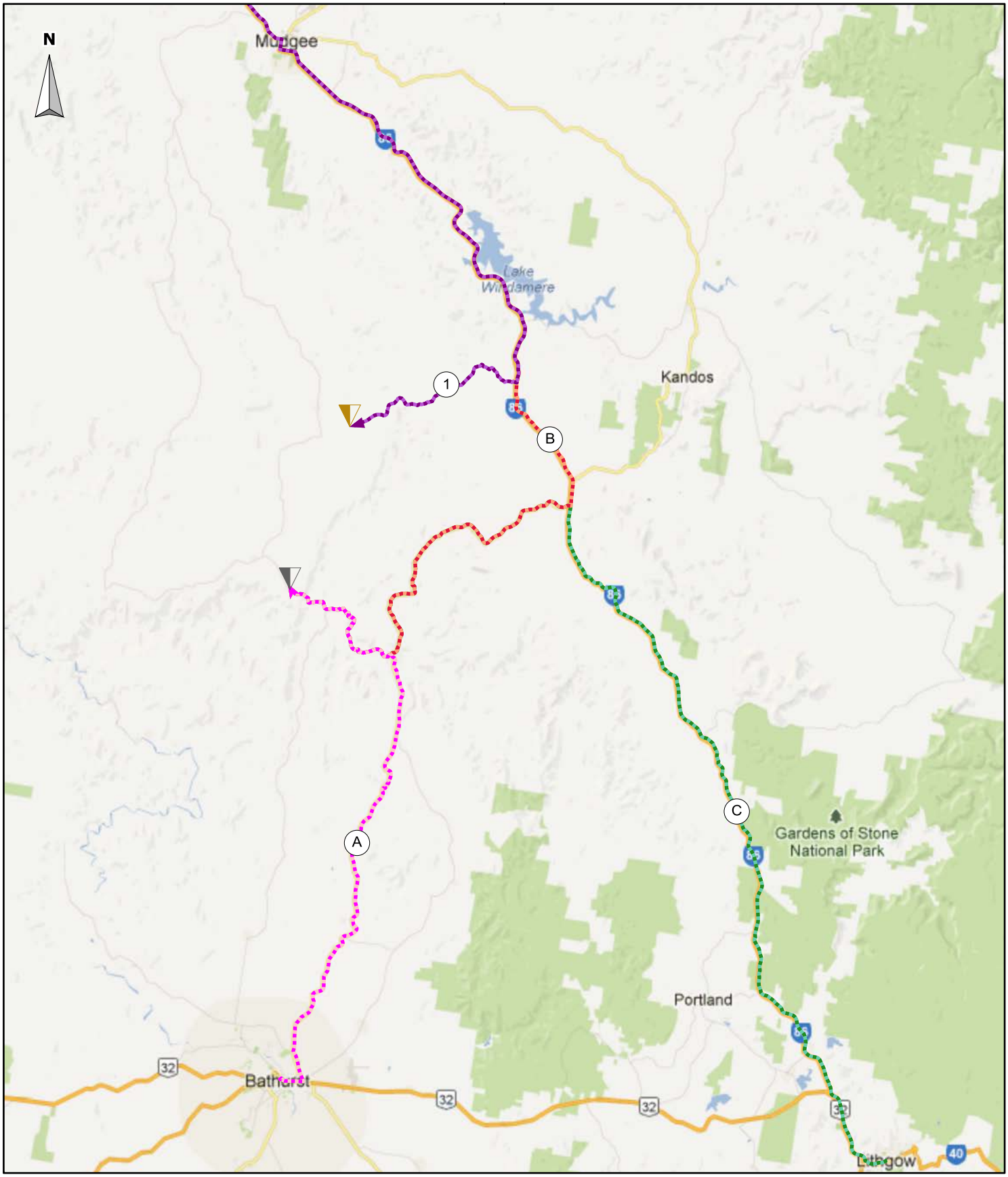
Over-Dimensional Route Options

Route Option 1

Route Option 2

Background imagery: Google Maps; All other data: Google Maps, WPCWP

COMPANY	CRUDINE RIDGE WIND FARM PTY LTD			
TITLE	FIGURE 6.3: PROPOSED OVER-DIMENSIONAL VEHICLE ROUTE OPTIONS, MUDGEE			
DATE 09 NOV 2013	SCALE 1:16500	DWG NO FIGURE 6.3	REV A	VER 1
DRAWN BY S ISHERWOOD	CHECKED BY E MOUNSEY	SHEET 1 OF 1	JOB NO 080401	SIZE A4



LEGEND

Standard Heavy Vehicle Route Options

- Route A
- Route B
- Route C
- Route Option 1

The Project

- Northern Site Access Point
- Southern Site Access Point

Background imagery: Google Maps; All other data: Google Maps, WPCWP

COMPANY

CRUDINE RIDGE WIND FARM PTY LTD

TITLE

FIGURE 6.4: PROPOSED STANDARD HEAVY VEHICLE ROUTE OPTIONS FOR PROJECT CONSTRUCTION

DATE	SCALE	DWG NO	REV	VER
09 NOV 2013	1:450000	FIGURE 6.4	A	1
DRAWN BY	**CHECKED BY**	**SHEET**	**JOB NO**	**SIZE**
S ISHERWOOD	E MOUNSEY	1 OF 1	080401	A4