BayWa r.e.

r.e. think energy

Appendix E: Consolidated Concept Design Package

BayWa r.e.
BULLAWAH WIND FARM
TRANSPORT ROUTE MODIFICATIONS CONCEPT DESIGN
12659863



LOCALITY PLAN

IMAGE SOURCE: NEAR MAP

DRAWING NUMBER	DRAWING TITLE
12659863-GHD-00-00-DRG-CI-00001	BULLAWAH WINDFARM TRM - LOCALITY PLAN AND DRAWING INDEX
12659863-GHD-00-00-DRG-CI-00005	PORT OF NEWCASTLE TO BULLAWAH - STURT HWY ROUNDABOUT AT TASMAN RD - 614.6KM WAGGA WAGGA - NSW
12659863-GHD-00-00-DRG-CI-00006	PORT OF NEWCASTLE TO BULLAWAH - STURT HWY ROUNDABOUT AT KOORINGAL RD - 617.3KM WAGGA WAGGA - NSW
12659863-GHD-00-00-DRG-CI-00007	PORT OF NEWCASTLE TO BULLAWAH - STURT HWY ROUNDABOUT AT NORTON ST - 618.4KM WAGGA WAGGA - NSW
12659863-GHD-00-00-DRG-CI-00008	PORT OF NEWCASTLE TO BULLAWAH - STURT HWY ROUNDABOUT AT PEARSON ST - 621.5KM WAGGA WAGGA - NSW
12659863-GHD-00-00-DRG-CI-00009	PORT OF NEWCASTLE TO BULLAWAH - BEND ON STURT HWY - 712KM GILLENBAH - NSW
12659863-GHD-00-00-DRG-CI-00010	PORT OF NEWCASTLE TO BULLAWAH - COBB HWY ONTO JERILDERIE RD - 889KM COBB HIGHWAY - NSW
12659863-GHD-00-00-DRG-CI-00036	PORT OF NEWCASTLE TO BULLAWAH - COBB HWY ONTO JERILDERIE RD - 889KM COBB HIGHWAY - NSW (SEMI)
12659863-GHD-00-00-DRG-CI-00014	PORT OF NEWCASTLE TO BULLAWAH - MITCHELL HWY ONTO DERRIBONG ST - 450KM NARROMINE - NSW
12659863-GHD-00-00-DRG-CI-00015	PORT OF NEWCASTLE TO BULLAWAH - GOLDEN HWY AT MERRIWA - 224.5-224.8KM MERRIWA - NSW
12659863-GHD-00-00-DRG-CI-00016	PORT OF ADELAIDE TO BULLAWAH - MURRAY VALLEY HWY ONTO STURT HWY - 546KM EUSTON - NSW
12659863-GHD-00-00-DRG-CI-00017	PORT OF ADELAIDE TO BULLAWAH - STURT HWY AT MCCABE STREET - BALRANALD - 623.7KM (OPTION 1) BALRANALD - NSW
12659863-GHD-00-00-DRG-CI-00035	PORT OF ADELAIDE TO BULLAWAH - STURT HWY AT MACCABE STREET - BALRANALD - 623.7KM (OPTION 2) BALRANALD - NSW
12659863-GHD-00-00-DRG-CI-00018	PORT OF ADELAIDE TO BULLAWAH - STURT HWY ONTO THE COBB HWY - 750KM HAY SOUTH - NSW
12659863-GHD-00-00-DRG-CI-00019	PORT OF ADELAIDE TO BULLAWAH - STURT HWY THROUGH BALRANALD 647KM TO 648KM BALRANALD - NSW
12659863-GHD-00-00-DRG-CI-00065	QUARRY ACCESS - CARRATHOOL RD / WILLURAH RD INTERSECTION - CONARGO - NSW

Rev	Description	Checked	Approved	Date
P07	ISSUED FOR STRATEGIC DESIGN	M.H	T.S	22.08.25
P06	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	28.07.25
P05	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	21.03.25
P04	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	07.03.25
P03	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	04.03.25
P02	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	25.02.25

Author K. MULLEN **Drafting Check** A. BABURAJ

Designer B. RINGER **Design Check** M. HUGHES

N.T.S

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Project No. 12659863

Client BayWa r.e.

Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title BULLAWAH WINDFARM TRM LOCALITY PLAN AND DRAWING INDEX

Size A1

Drawing No. 12659863-GHD-00-00-DRG-CI-00001

Rev P07

Plot Date: 22 August 2025 - 5:14 PM Plotted by: Kees Mullen

File Name: C:\12d\SW\data\P-00-12D-001\41-12659863 - Bullawah Wind Farm Transport route modifications_3505\CADD\Drawings\Civil\Strategic Design\12659863-GHD-00-00-DRG-CI-00001.dwg

N

EUNONY BRIDGE RD

STURT HWY

TASMAN RD

SIGNS TO BE MADE REMOVABLE WITH FLUSH BASE

CONCRETE PAVEMENT WITH BRICK TRIMMING TO MATCH EXISTING

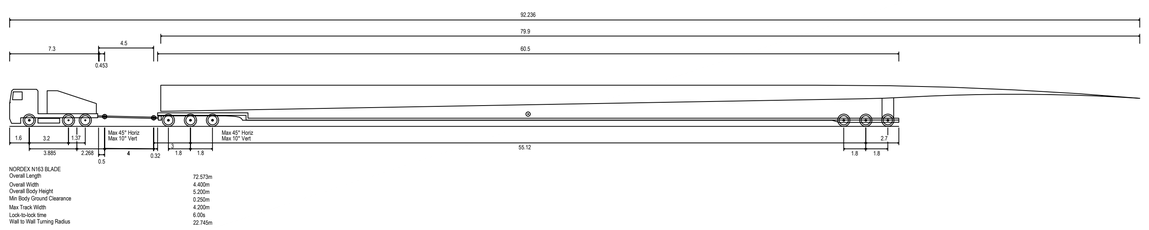
LEGEND

- PROPERTY BOUNDARY
- VEHICLE LOAD OUTLINE
- VEHICLE CHASSIS OUTLINE
- KERB FACE
- VEHICLE BODY AREA
- PAVEMENT WIDENING AREA

NOTES

1. TO BE READ IN CONJUNCTION WITH REX ANDREWS STUDY.
2. PAVEMENTS ARE TO BE DESIGNED TO WITHSTAND FREQUENT HEAVY VEHICLE LOADS PER AUSTROADS GUIDE TO PAVEMENT TECHNOLOGY PART 2: PAVEMENT STRUCTURAL DESIGN. THE HARDSTANDS AND PAVEMENT ARE TO BE SEALED TO THE STANDARDS OF THE ADJACENT ROAD.

NORDEX N163 BLADE



NORDEX N163 BLADE	
Overall Length	72.573m
Overall Width	4.400m
Overall Body Height	5.200m
Min Body Ground Clearance	0.250m
Max Track Width	4.200m
Lock-to-lock time	6.00s
Wall to Wall Turning Radius	22.745m

Rev	Description		Checked	Approved	Date
P07	ISSUED FOR STRATEGIC DESIGN	M.H	T.S		22.08.25
P06	ISSUED FOR STRATEGIC DESIGN	N.B	B.K		28.07.25
P05	ISSUED FOR STRATEGIC DESIGN	N.B	B.K		21.03.25
P04	ISSUED FOR STRATEGIC DESIGN	N.B	B.K		07.03.25
P03	ISSUED FOR STRATEGIC DESIGN	N.B	B.K		04.03.25
P02	ISSUED FOR STRATEGIC DESIGN	N.B	B.K		25.02.25

Author K. MULLEN **Drafting Check** A. BABURAJ

Designer B. RINGER **Design Check** M. HUGHES

MGA ZONE 55

0 5 10 15 20 25m

SCALE 1:500 AT ORIGINAL SIZE

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Project No. 12659863

Client BayWa r.e.

Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title PORT OF NEWCASTLE TO BULLAWAH STURT HWY ROUNDABOUT AT TASMAN RD 614.6KM WAGGA WAGGA - NSW

Drawing No. 12659863-GHD-00-00-DRG-CI-00005

Size A1

Rev P07

Plot Date: 22 August 2025 - 3:59 PM Plotted by: Kees Mullen

File Name: C:\12d\SW\data\P-00-12D-001\41-12659863 - Bullawah Wind Farm Transport route modifications_3505\CADD\Drawings\Civil\Strategic Design\12659863-GHD-00-00-DRG-CI-00005.dwg



NOTES

1. TO BE READ IN CONJUNCTION WITH REX ANDREWS STUDY.
2. PAVEMENTS ARE TO BE DESIGNED TO WITHSTAND FREQUENT HEAVY VEHICLE LOADS PER AUSTROADS GUIDE TO PAVEMENT TECHNOLOGY PART 2: PAVEMENT STRUCTURAL DESIGN. THE HARDSTANDS AND PAVEMENT ARE TO BE SEALED TO THE STANDARDS OF THE ADJACENT ROAD.

NORDEX N163 BLADE

Rev	Description	Checked	Approved	Date
P07	ISSUED FOR STRATEGIC DESIGN	M.H	T.S	22.08.25
P06	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	28.07.25
P05	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	21.03.25
P04	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	07.03.25
P03	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	04.03.25
P02	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	25.02.25

Author K. MULLEN **Drafting Check** A. BABURAJ

Designer B. RINGER **Design Check** M. HUGHES

MGA ZONE 55

0 5 10 15 20 25m

SCALE 1:500 AT ORIGINAL SIZE

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Project No. 12659863

Client BayWa r.e.

Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title PORT OF NEWCASTLE TO BULLAWAH STURT HWY ROUNDABOUT AT KOORINGAL RD 617.3KM WAGGA WAGGA - NSW

Drawing No. 12659863-GHD-00-00-DRG-CI-00006

Size A1

Rev P07

Plot Date: 22 August 2025 - 4:00 PM Plotted by: Kees Mullen

File Name: C:\12d\SW\data\P-00-12D-001\41-12659863 - Bullawah Wind Farm Transport route modifications_3505\CADD\Drawings\Civil\Strategic Design\12659863-GHD-00-00-DRG-CI-00006.dwg



NOTES

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NORDEX N163 BLADE

NORDEX N163 BLADE	
Overall Length	72.573m
Overall Width	4.400m
Overall Body Height	5.200m
Min Body Ground Clearance	0.250m
Max Track Width	4.200m
Lock-to-lock time	6.00s
Wall to Wall Turning Radius	22.140m

Rev	Description	Checked	Approved	Date
P07	ISSUED FOR STRATEGIC DESIGN	M.H	T.S	22.08.25
P06	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	28.07.25
P05	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	21.03.25
P04	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	07.03.25
P03	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	04.03.25
P02	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	25.02.25

Author K. MULLEN **Drafting Check** A. BABURAJ
Designer B. RINGER **Design Check** M. HUGHES

MGA ZONE 55

0 5 10 15 20 25m
SCALE 1:500 AT ORIGINAL SIZE

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Project No. 12659863

Client BayWa r.e.

Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title PORT OF NEWCASTLE TO BULLAWAH
STURT HWY ROUNDABOUT AT
NORTON ST
618.4KM WAGGA WAGGA - NSW

Size A1

Drawing No. 12659863-GHD-00-00-DRG-CI-00007

Rev P07

Plot Date: 22 August 2025 - 4:00 PM Plotted by: Kees Mullen

File Name: C:\12d\SW\data\P-00-12D-001\41-12659863 - Bullawah Wind Farm Transport route modifications_3505\CADD\Drawings\Civil\Strategic Design\12659863-GHD-00-00-DRG-CI-00007.dwg

N

LEGEND

- PROPERTY BOUNDARY
- VEHICLE LOAD OUTLINE
- VEHICLE CHASSIS OUTLINE
- KERB FACE
- VEHICLE BODY AREA
- PAVEMENT WIDENING AREA

OLYMPIC HWY

STURT HWY

STURT HWY

PEARSON ST

SIGNS TO BE MADE REMOVABLE WITH FLUSH BASE

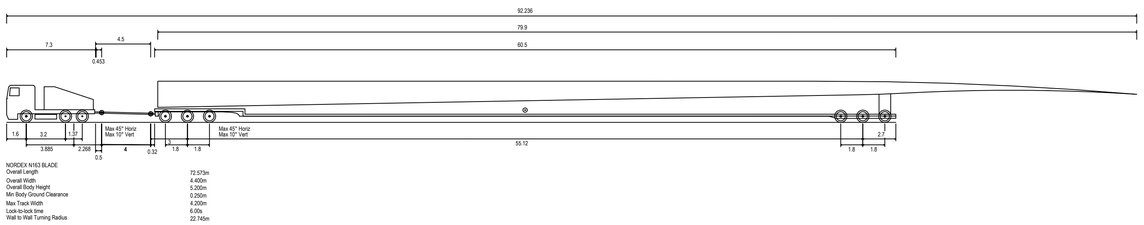
CONCRETE PAVEMENT WITH BRICK TRIMMING TO MATCH EXISTING

PIT IN PAVEMENT TO BE ASSESSED AND MADE TRAFFICABLE

NOTES

1. TO BE READ IN CONJUNCTION WITH REX ANDREWS STUDY.
2. PAVEMENTS ARE TO BE DESIGNED TO WITHSTAND FREQUENT HEAVY VEHICLE LOADS PER AUSTROADS GUIDE TO PAVEMENT TECHNOLOGY PART 2: PAVEMENT STRUCTURAL DESIGN. THE HARDSTANDS AND PAVEMENT ARE TO BE SEALED TO THE STANDARDS OF THE ADJACENT ROAD.

NORDEX N163 BLADE



NORDEX N163 BLADE	
Overall Length	72.573m
Overall Width	4.400m
Overall Body Height	5.200m
Min Body Ground Clearance	0.250m
Max Track Width	4.200m
Lock-to-lock time	6.00s
Wall to Wall Turning Radius	22.745m

Rev	Description	Checked	Approved	Date
P07	ISSUED FOR STRATEGIC DESIGN	M.H	T.S	22.08.25
P06	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	28.07.25
P05	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	21.03.25
P04	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	07.03.25
P03	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	04.03.25
P02	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	25.02.25

Author K. MULLEN **Drafting Check** A. BABURAJ

Designer B. RINGER **Design Check** M. HUGHES

MGA ZONE 55

0 5 10 15 20 25m

SCALE 1:500 AT ORIGINAL SIZE

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Project No. 12659863

Client BayWa r.e.

Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title PORT OF NEWCASTLE TO BULLAWAH STURT HWY ROUNDABOUT AT PEARSON ST 621.5KM WAGGA WAGGA - NSW

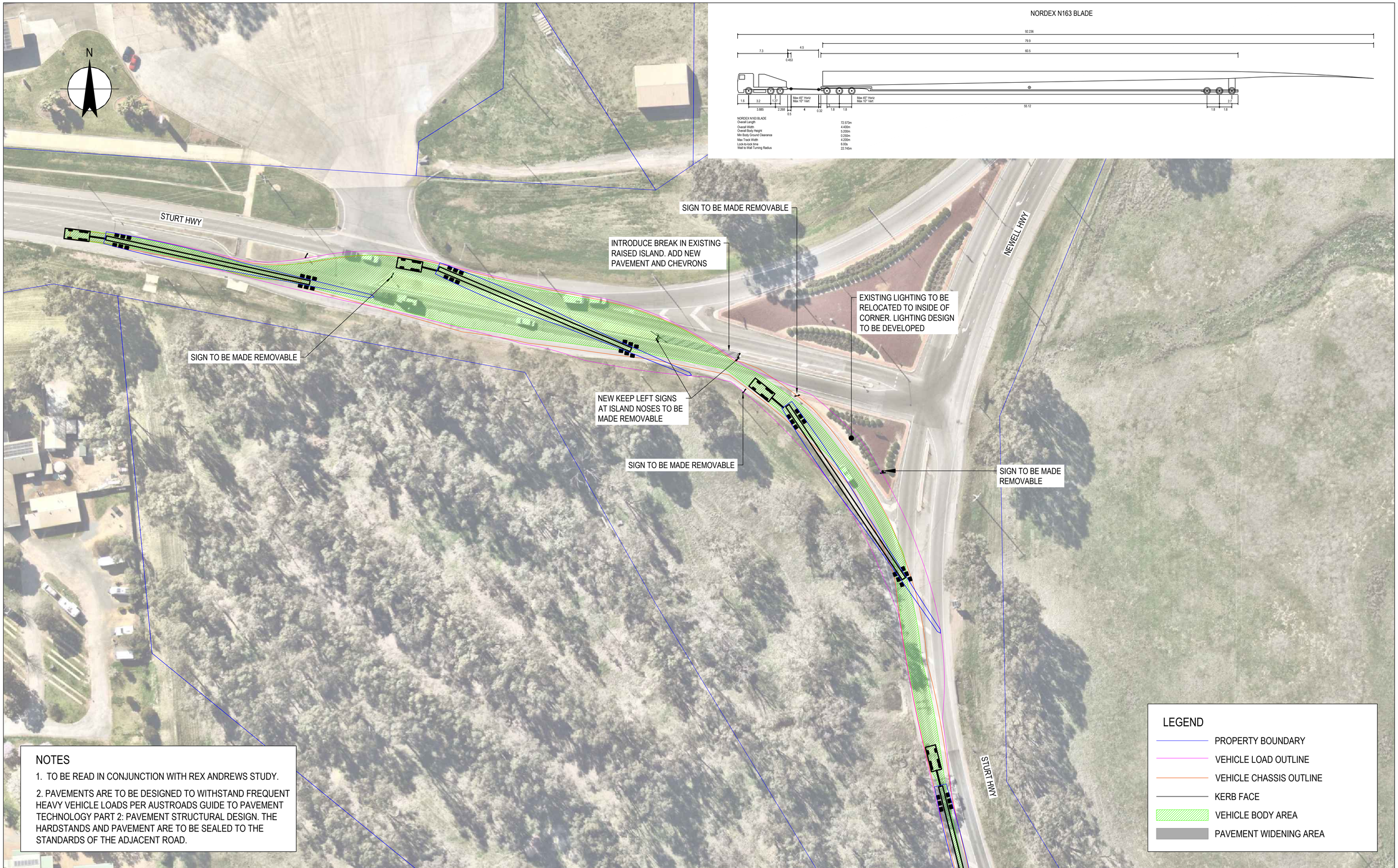
Size A1

Drawing No. 12659863-GHD-00-00-DRG-CI-00008

Rev P07

Plot Date: 22 August 2025 - 4:00 PM Plotted by: Kees Mullen

File Name: C:\12d\SW\data\P-00-12D-001\41-12659863 - Bullawah Wind Farm Transport route modifications_3505\CADD\Drawings\Civil\Strategic Design\12659863-GHD-00-00-DRG-CI-00008.dwg



NOTES

1. TO BE READ IN CONJUNCTION WITH REX ANDREWS STUDY.
2. PAVEMENTS ARE TO BE DESIGNED TO WITHSTAND FREQUENT HEAVY VEHICLE LOADS PER AUSTROADS GUIDE TO PAVEMENT TECHNOLOGY PART 2: PAVEMENT STRUCTURAL DESIGN. THE HARDSTANDS AND PAVEMENT ARE TO BE SEALED TO THE STANDARDS OF THE ADJACENT ROAD.

Rev	Description	Checked	Approved	Date
P07	ISSUED FOR STRATEGIC DESIGN	M.H	T.S	22.08.25
P06	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	28.07.25
P05	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	21.03.25
P04	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	07.03.25
P03	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	04.03.25
P02	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	25.02.25

Author K. MULLEN **Drafting Check** A. BABURAJ
Designer B. RINGER **Design Check** M. HUGHES

MGA ZONE 55

0 5 10 15 20 25m
SCALE 1:500 AT ORIGINAL SIZE

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Project No. 12659863

Client BayWa r.e.

Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title PORT OF NEWCASTLE TO BULLAWAH BEND ON STURT HWY 712KM GILLENBAH - NSW

Size A1

Drawing No. 12659863-GHD-00-00-DRG-CI-00009

Rev P07

Plot Date: 22 August 2025 - 4:01 PM Plotted by: Kees Mullen

File Name: C:\12d\SW\data\P-00-12D-00141-12659863 - Bullawah Wind Farm Transport route modifications_3505\CADD\Drawings\Civil\Strategic Design\12659863-GHD-00-00-DRG-CI-00009.dwg

N

LEGEND

- DISTURBANCE BOUNDARY
- PROPERTY BOUNDARY
- VEHICLE LOAD OUTLINE
- VEHICLE CHASSIS OUTLINE
- EXISTING CULVERT
- CULVERT EXTENSION
- VEHICLE BODY AREA
- SEALED PAVEMENT

19m SEMI-TRAILER

AUL(S) LEFT TURN TREAMENT. FOR DETAILS REFER TO FIGURE 8.3 OF AUSTROADS GUIDE TO ROAD DESIGN PART 4A

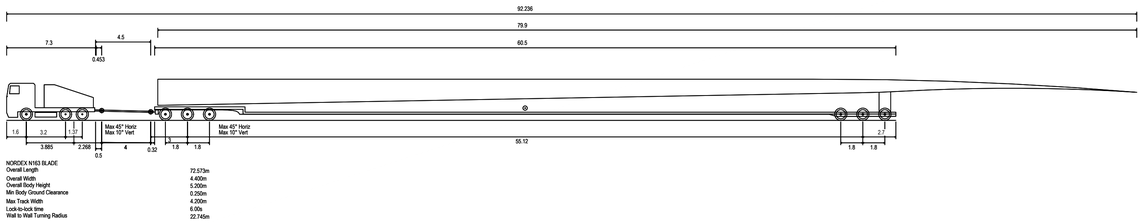
REALIGN LONGITUDINAL DRAINAGE

COBB HWY

EXISTING GIVE WAY SIGN TO BE RETAINED

JERILDERIE RD

NORDEX N163 BLADE



NORDEX N163 BLADE	
Overall Length	73.573m
Overall Width	4.400m
Overall Body Height	5.200m
Min Body Ground Clearance	0.200m
Max Track Width	4.200m
Lock-to-lock time	6.00s
Wall to Wall Turning Radius	22.745m

NOTES

1. TO BE READ IN CONJUNCTION WITH REX ANDREWS STUDY.
2. PAVEMENTS ARE TO BE DESIGNED TO WITHSTAND FREQUENT HEAVY VEHICLE LOADS PER AUSTROADS GUIDE TO PAVEMENT TECHNOLOGY PART 2: PAVEMENT STRUCTURAL DESIGN. THE HARDSTANDS AND PAVEMENT ARE TO BE SEALED TO THE STANDARDS OF THE ADJACENT ROAD.

Rev	Description	Checked	Approved	Date
P08	RE-ISSUED FOR STRATEGIC DESIGN	N.B	T.S	29.08.25
P07	ISSUED FOR STRATEGIC DESIGN	M.H	T.S	22.08.25
P06	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	28.07.25
P05	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	21.03.25
P04	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	07.03.25
P03	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	04.03.25

Author K. MULLEN **Drafting Check** A. BABURAJ

Designer B. RINGER **Design Check** M. HUGHES

MGA ZONE 55

0 5 10 15 20 25m

SCALE 1:500 AT ORIGINAL SIZE

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Project No. 12659863

Client BayWa r.e.

Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title PORT OF NEWCASTLE TO BULLAWAH COBB HWY ONTO JERILDERIE RD 889KM COBB HIGHWAY - NSW

Size A1

Drawing No. 12659863-GHD-00-00-DRG-CI-00010

Rev P08

Plot Date: 29 August 2025 - 11:38 AM Plotted by: Adelle Tuhakaraina Hose File Name: C:\12d\SW\data\P-00-12D-001\41-12659863 - Bullawah Wind Farm Transport route modifications_3505\CADD\Drawings\Civil\Strategic Design\12659863-GHD-00-00-DRG-CI-00010.dwg

TRANCHE 1 PRE-CONSTRUCTION WORKS SCENARIO - EXISTING CONDITIONS (CURRENT ROAD PAVEMENT)



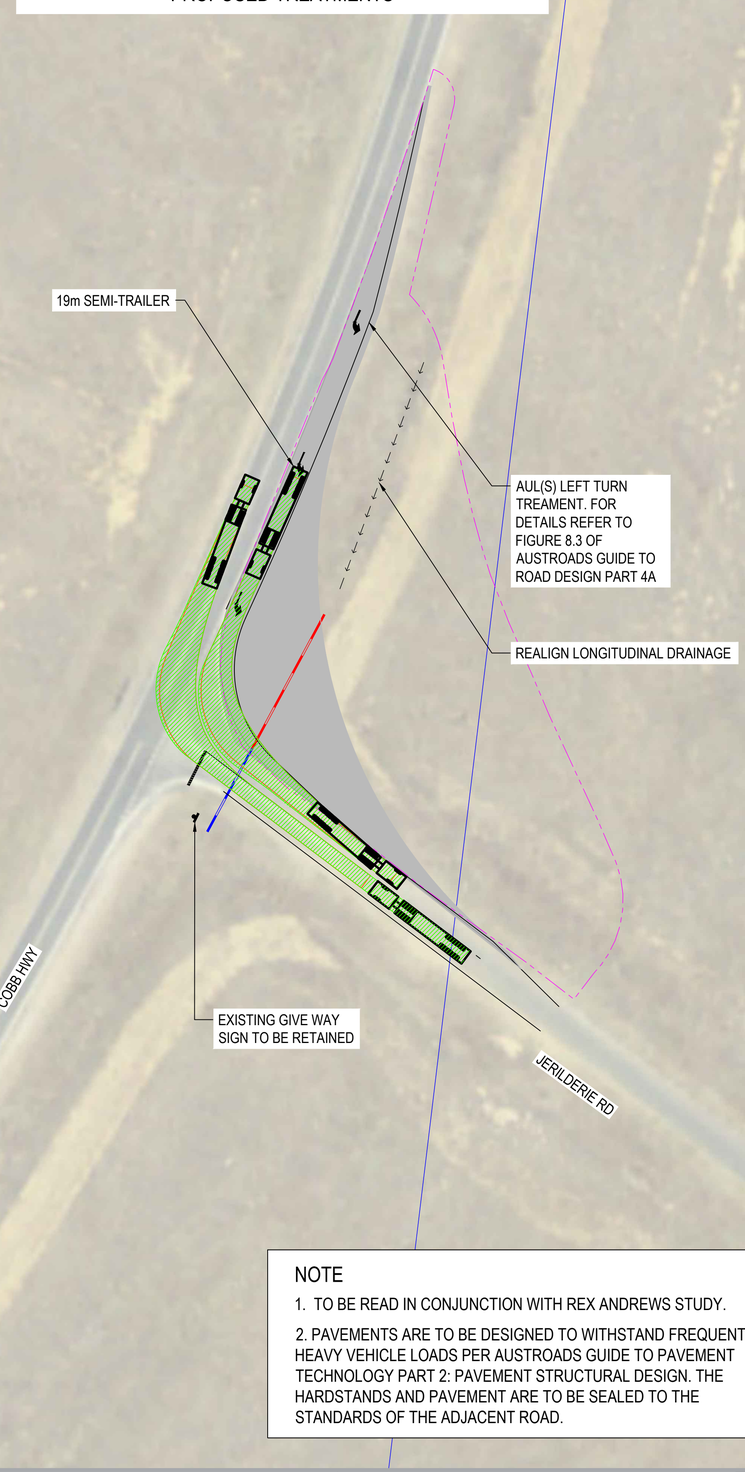
Prime mover and semi-trailer (19 m)

Prime mover and semi-trailer (19 m)	
Overall Length	19.000m
Overall Width	2.500m
Overall Body Height	4.300m
Min Body Ground Clearance	0.540m
Track Width	2.500m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	12.500m

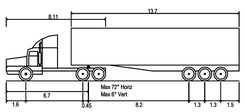
LEGEND

- DISTURBANCE BOUNDARY
- PROPERTY BOUNDARY
- VEHICLE LOAD OUTLINE
- VEHICLE CHASSIS OUTLINE
- EXISTING CULVERT
- CULVERT EXTENSION
- VEHICLE BODY AREA
- SEALED PAVEMENT

TRANCHE 1 PRE-CONSTRUCTION WORKS SCENARIO - WITH PROPOSED TREATMENTS



Prime mover and semi-trailer (19 m)



Prime mover and semi-trailer (19 m)	
Overall Length	19.000m
Overall Width	2.500m
Overall Body Height	4.300m
Min Body Ground Clearance	0.540m
Track Width	2.500m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	12.500m

NOTE

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Rev	Description	Checked	Approved	Date
P02	RE-ISSUED FOR STRATEGIC DESIGN	N.B	T.S	29.08.25
P01	ISSUED FOR STRATEGIC DESIGN	M.H	T.S	22.08.25

Author K. MULLEN **Drafting Check** A. BABURAJ
Designer B. RINGER **Design Check** M. HUGHES

MGA ZONE 55

0 5 10 15 20 25m
SCALE 1:500 AT ORIGINAL SIZE

BayWa r.e.

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Project No. 12659863

Client BayWa r.e.

Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title PORT OF NEWCASTLE TO BULLAWAH COBB HWY ONTO JERILDERIE RD 889KM COBB HIGHWAY - NSW (SEMI)

Size A1

Drawing No. 12659863-GHD-00-00-DRG-CI-00036

Rev P02

Plot Date: 29 August 2025 - 11:38 AM Plotted by: Adelle Tuhakaraina Hose

File Name: C:\12d\SW\data\P-00-12D-001\41-12659863 - Bullawah Wind Farm Transport route modifications_3505\CADD\Drawings\Civil\Strategic Design\12659863-GHD-00-00-DRG-CI-00036.dwg



TOWER T4

TOWER T4	
Overall Length	40.470m
Overall Width	4.200m
Overall Body Height	5.200m
Min Body Ground Clearance	0.250m
Max Track Width	3.700m
Lock-to-lock time	6.00s
Wall to Wall Turning Radius	22.745m

NOTES

1. TO BE READ IN CONJUNCTION WITH REX ANDREWS STUDY.
2. PAVEMENTS ARE TO BE DESIGNED TO WITHSTAND FREQUENT HEAVY VEHICLE LOADS PER AUSTROADS GUIDE TO PAVEMENT TECHNOLOGY PART 2: PAVEMENT STRUCTURAL DESIGN. THE HARDSTANDS AND PAVEMENT ARE TO BE SEALED TO THE STANDARDS OF THE ADJACENT ROAD.

Rev	Description	Checked	Approved	Date
P06	ISSUED FOR STRATEGIC DESIGN	M.H	T.S	22.08.25
P05	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	21.03.25
P04	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	07.03.25
P03	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	04.03.25
P02	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	25.02.25

Author K. MULLEN **Drafting Check** A. BABURAJ

Designer B. RINGER **Design Check** M. HUGHES

MGA ZONE 55

0 5 10 15 20 25m

SCALE 1:500 AT ORIGINAL SIZE

BayWa r.e.

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Project No. 12659863

Client BayWa r.e.

Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title PORT OF NEWCASTLE TO BULLAWAH MITCHELL HWY ONTO DERRIBONG ST 450KM NARROMINE - NSW

Size A1

Drawing No. 12659863-GHD-00-00-DRG-CI-00014

Rev P06

Plot Date: 22 August 2025 - 4:01 PM Plotted by: Kees Mullen

File Name: C:\12d\SW\data\P-00-12D-00114-12659863 - Bullawah Wind Farm Transport route modifications_3505\CADD\Drawings\Civil\Strategic Design\12659863-GHD-00-00-DRG-CI-00014.dwg

N

BOW ST

BETTINGTON ST

VENNACHER ST

SOLLEYS LN

EXISTING MEDIAN WITH MOUNTABLE KERB AND REMOVABLE SIGNS

REMOVE EXISTING PEDESTRIAN KERB CROSSING, PAVEMENT MARKING AND PEDESTRIAN WARNING SIGN

REMOVE EXISTING REFUGE ISLAND AND PEDESTRIAN KERB CROSSING. PROVIDE PAINTED MEDIAN

REMOVE EXISTING PEDESTRIAN KERB RAMP AND PAVEMENT MARKING

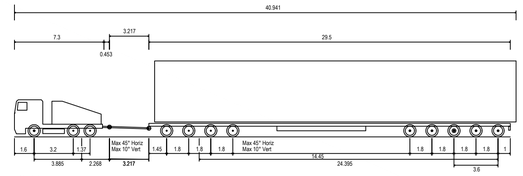
VEGETATION TO BE TRIMMED

EXISTING MEDIAN SIGNAGE FLEXIBLE AND BOLTED

LEGEND

- PROPERTY BOUNDARY
- VEHICLE LOAD OUTLINE
- VEHICLE CHASSIS OUTLINE
- KERB FACE
- VEHICLE BODY AREA
- PAVEMENT WIDENING AREA

TOWER T4



TOWER T4	
Overall Length	40.470m
Overall Width	4.200m
Overall Body Height	5.200m
Min Body Ground Clearance	0.250m
Max Track Width	3.700m
Lock-to-lock time	6.00s
Wall to Wall Turning Radius	22.745m

NOTES

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Rev	Description	Checked	Approved	Date
P07	ISSUED FOR STRATEGIC DESIGN	M.H	T.S	22.08.25
P06	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	28.07.25
P05	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	21.03.25
P04	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	07.03.25
P03	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	04.03.25
P02	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	25.02.25

Author K. MULLEN **Drafting Check** A. BABURAJ

Designer B. RINGER **Design Check** M. HUGHES

MGA ZONE 55

0 5 10 15 20 25m

SCALE 1:500 AT ORIGINAL SIZE

BayWa r.e.

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Project No. 12659863

Client BayWa r.e.

Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title PORT OF NEWCASTLE TO BULLAWAH GOLDEN HWY AT MERRIWA
224.5 - 224.8KM MERRIWA - NSW

Size A1

Drawing No. 12659863-GHD-00-00-DRG-CI-00015

Rev P07

Plot Date: 22 August 2025 - 4:02 PM Plotted by: Kees Mullen

File Name: C:\12d\SW\data\P-00-12D-001\41-12659863 - Bullawah Wind Farm Transport route modifications_3505\CADD\Drawings\Civil\Strategic Design\12659863-GHD-00-00-DRG-CI-00015.dwg

N

LEGEND

- PROPERTY BOUNDARY
- VEHICLE LOAD OUTLINE
- VEHICLE CHASSIS OUTLINE
- EXISTING CULVERT
- CULVERT EXTENSION
- VEHICLE BODY AREA
- SEALED PAVEMENT

UTILITY SERVICE MARKERS TO BE INVESTIGATED - ELECTRICAL, COMMUNICATIONS OR GAS

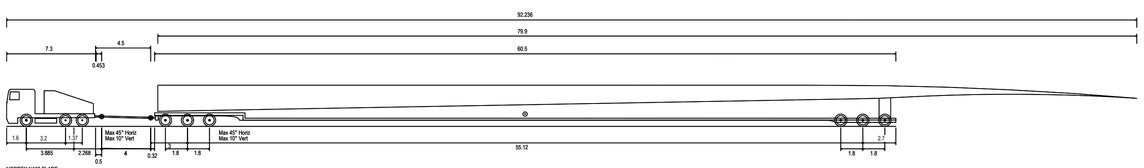
EMBANKMENT TO BE PROVIDED TO FACILITATE VERTICAL REQUIREMENTS OF THE TRANSPORT VEHICLES

EXISTING SIGN TO BE MADE REMOVABLE

STURT HWY

MURRAY VALLEY HWY

NORDEX N163 BLADE



NORDEX N163 BLADE	
Overall Length	72.573m
Overall Width	4.400m
Overall Body Height	5.300m
Min Body Ground Clearance	0.250m
Max Track Width	4.200m
Lock-to-lock time	6.00s
Wall to Wall Turning Radius	22.745m

Rev	Description	Checked	Approved	Date
P07	ISSUED FOR STRATEGIC DESIGN	M.H	T.S	28.08.25
P06	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	21.03.25
P05	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	20.03.25
P04	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	07.03.25
P03	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	04.03.25
P02	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	25.02.25

Author K. MULLEN **Drafting Check** A. BABURAJ

Designer B. RINGER **Design Check** M. HUGHES

MGA ZONE 54

0 5 10 15 20 25m

SCALE 1:500 AT ORIGINAL SIZE

BayWa r.e.

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Project No. 12659863

Client BayWa r.e.

Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title PORT OF ADELAIDE TO BULLAWAH MURRAY VALLEY HWY ONTO STURT HWY 546KM EUSTON - NSW

Size A1

Drawing No. 12659863-GHD-00-00-DRG-CI-00016

Rev P07

Plot Date: 28 August 2025 - 2:33 PM Plotted by: Kees Mullen

File Name: C:\12d\SW\data\P-00-12D-001\41-12659863 - Bullawah Wind Farm Transport route modifications_3505\CADD\Drawings\Civil\Strategic Design\12659863-GHD-00-00-DRG-CI-00016.dwg



NOTES

1. TO BE READ IN CONJUNCTION WITH REX ANDREWS STUDY.
2. PAVEMENTS ARE TO BE DESIGNED TO WITHSTAND FREQUENT HEAVY VEHICLE LOADS PER AUSTROADS GUIDE TO PAVEMENT TECHNOLOGY PART 2: PAVEMENT STRUCTURAL DESIGN. THE HARDSTANDS AND PAVEMENT ARE TO BE SEALED TO THE STANDARDS OF THE ADJACENT ROAD.

NORDEX N163 BLADE

Rev	Description	Checked	Approved	Date
P08	ISSUED FOR STRATEGIC DESIGN	M.H	T.S	22.08.25
P07	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	28.07.25
P06	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	21.03.25
P05	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	20.03.25
P04	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	07.03.25
P03	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	04.03.25

Author K. MULLEN **Drafting Check** A. BABURAJ

Designer B. RINGER **Design Check** M. HUGHES

MGA ZONE 54

0 5 10 15 20 25m

SCALE 1:500 AT ORIGINAL SIZE

BayWa r.e.

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Project No. 12659863

Client BayWa r.e.

Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title PORT OF ADELAIDE TO BULLAWAH
STURT HWY AT MCCABE STREET
BALRANALD - OPTION 1
623.7KM BALRANALD - NSW

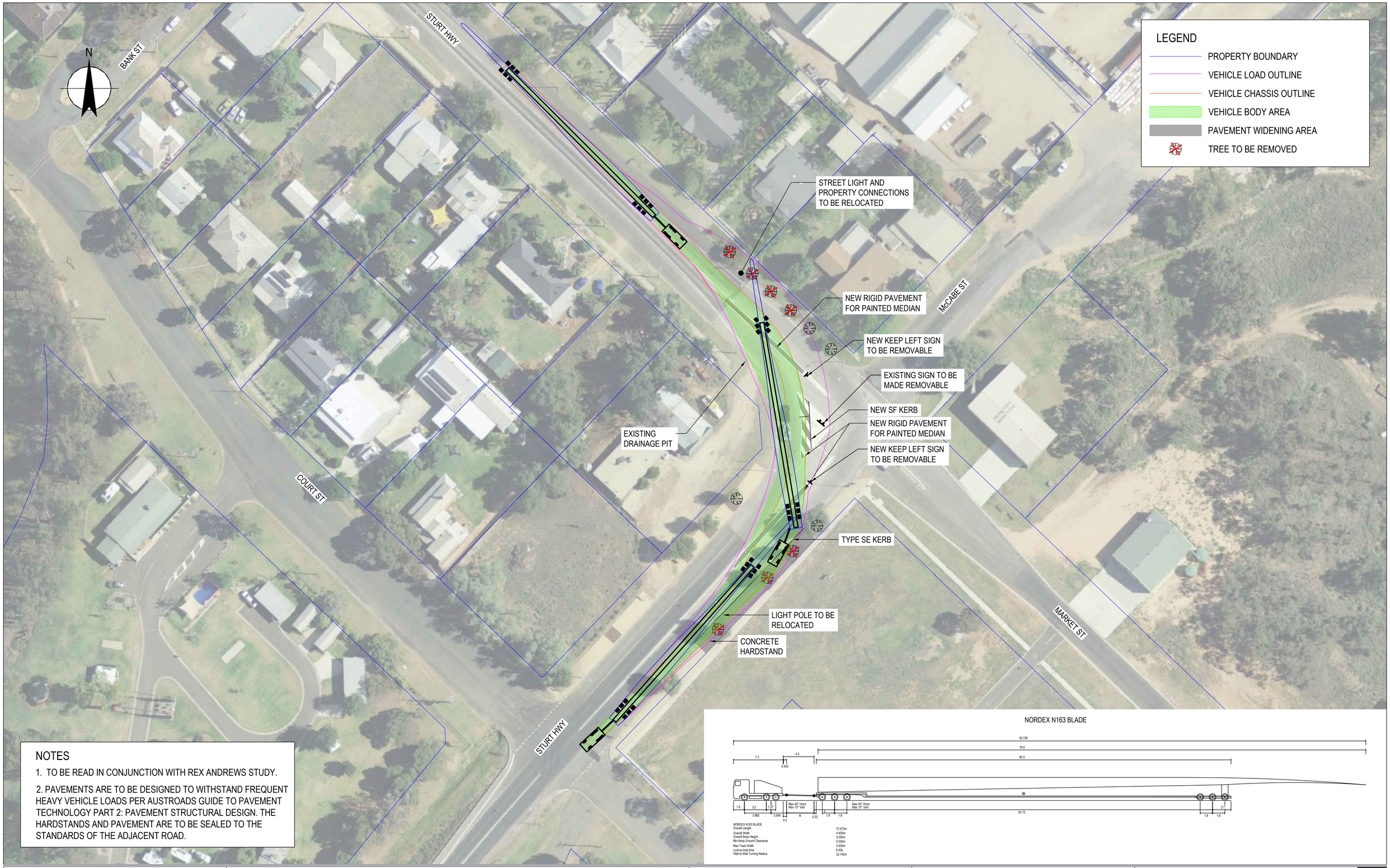
Drawing No. 12659863-GHD-00-00-DRG-CI-00017

Size A1

Rev P08

Plot Date: 22 August 2025 - 4:02 PM Plotted by: Kees Mullen

File Name: C:\12d\SW\data\P-00-12D-00\141-12659863 - Bullawah Wind Farm Transport route modifications_3505\CADD\Drawings\Civil\Strategic Design\12659863-GHD-00-00-DRG-CI-00017.dwg



NOTES

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NORDEX N163 BLADE

Rev	Description	Checked	Approved	Date
P02	ISSUED FOR STRATEGIC DESIGN	M.H	T.S	22.08.25
P01	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	28.07.25

Author K. MULLEN **Drafting Check** A. BABURAJ
Designer B. RINGER **Design Check** M. HUGHES

MGA ZONE 54

0 5 10 15 20 25m
SCALE 1:500 AT ORIGINAL SIZE

BayWa r.e.

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Project No. 12659863

Client BayWa r.e.

Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title PORT OF ADELAIDE TO BULLAWAH
STURT HWY AT MCCABE STREET
BALRANALD - OPTION 2
623.7KM BALRANALD - NSW

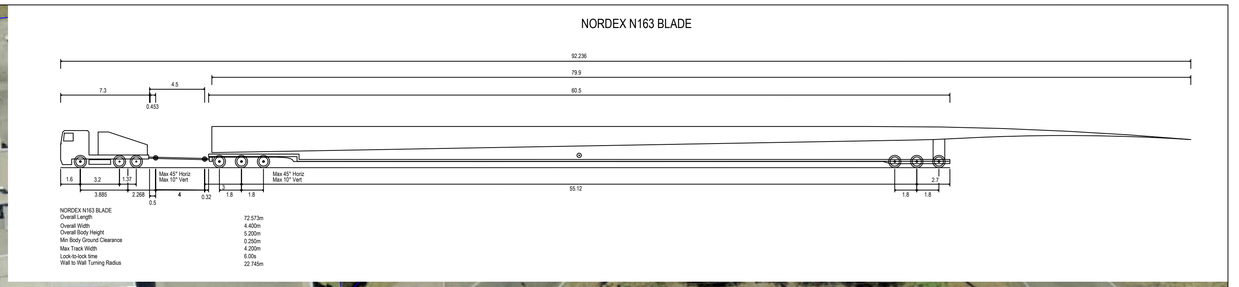
Size A1

Drawing No. 12659863-GHD-00-00-DRG-CI-00035

Rev P02

Plot Date: 22 August 2025 - 4:26 PM Plotted by: Kees Mullen

File Name: C:\12d\SW\data\P-00-12D-001\41-12659863 - Bullawah Wind Farm Transport route modifications_3505\CADD\Drawings\Civil\Strategic Design\12659863-GHD-00-00-DRG-CI-00035.dwg



STREET LIGHT TO BE RELOCATED

SIGN TO BE MADE REMOVABLE

STURT HWY

SIGN TO BE RELOCATED AND MADE REMOVABLE

NEW SF KERB

STREET LIGHT TO BE RELOCATED

STURT HWY

COBB HWY

AREA TO BE GRADED TO ENSURE FREE DRAINAGE

LEGEND

- PROPERTY BOUNDARY
- VEHICLE LOAD OUTLINE
- VEHICLE CHASSIS OUTLINE
- KERB FACE
- EXISTING CULVERT
- CULVERT EXTENSION
- VEHICLE BODY AREA
- PAVEMENT WIDENING AREA

NOTES

1. TO BE READ IN CONJUNCTION WITH REX ANDREWS STUDY.
2. PAVEMENTS ARE TO BE DESIGNED TO WITHSTAND FREQUENT HEAVY VEHICLE LOADS PER AUSTROADS GUIDE TO PAVEMENT TECHNOLOGY PART 2: PAVEMENT STRUCTURAL DESIGN. THE HARDSTANDS AND PAVEMENT ARE TO BE SEALED TO THE STANDARDS OF THE ADJACENT ROAD.

Rev	Description	Checked	Approved	Date
P07	ISSUED FOR STRATEGIC DESIGN	M.H	T.S	22.08.25
P06	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	28.07.25
P05	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	21.03.25
P04	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	07.03.25
P03	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	04.03.25
P02	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	25.02.25

Author K. MULLEN **Drafting Check** A. BABURAJ

Designer B. RINGER **Design Check** M. HUGHES

MGA ZONE 55

0 5 10 15 20 25m

SCALE 1:500 AT ORIGINAL SIZE

BayWa r.e.

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Project No. 12659863

Client BayWa r.e.

Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title PORT OF ADELAIDE TO BULLAWAH STURT HWY ONTO THE COBB HWY 750KM HAY SOUTH - NSW

Size A1

Drawing No. 12659863-GHD-00-00-DRG-CI-00018

Rev P07

Plot Date: 22 August 2025 - 4:03 PM Plotted by: Kees Mullen

File Name: C:\12d\SW\data\P-00-12D-001\41-12659863 - Bullawah Wind Farm Transport route modifications_3505\CADD\Drawings\Civil\Strategic Design\12659863-GHD-00-00-DRG-CI-00018.dwg

N

HARBEN STREET

WE STREET

MAYALL STREET

STURT HIGHWAY

SIGNS TO BE MADE REMOVABLE WITH FLUSH BASE

SIGNS TO BE MADE REMOVABLE WITH FLUSH BASE

VEHICLE TO TRAVERSE EXISTING TRAFFIC ISLAND. EXISTING TRAFFIC ISLANDS ARE PRESUMED TO BE TRAFFICABLE. PAVEMENT TO BE ASSESSED AND UPGRADED IF REQUIRED (ISLANDS TO BE RETAINED TO ENSURE PEDESTRIAN SAFETY)

VEHICLE TO TRAVERSE EXISTING TRAFFIC ISLAND. EXISTING TRAFFIC ISLANDS ARE PRESUMED TO BE TRAFFICABLE. PAVEMENT TO BE ASSESSED AND UPGRADED IF REQUIRED (ISLANDS TO BE RETAINED TO ENSURE PEDESTRIAN SAFETY)

VEHICLE TO TRAVERSE EXISTING TRAFFIC ISLAND. EXISTING TRAFFIC ISLANDS ARE PRESUMED TO BE TRAFFICABLE. PAVEMENT TO BE ASSESSED AND UPGRADED IF REQUIRED (ISLANDS TO BE RETAINED TO ENSURE PEDESTRIAN SAFETY)

LEGEND

- PROPERTY BOUNDARY
- VEHICLE LOAD OUTLINE
- VEHICLE CHASSIS OUTLINE
- KERB FACE
- VEHICLE BODY AREA
- PAVEMENT WIDENING AREA

NOTES

1. TO BE READ IN CONJUNCTION WITH REX ANDREWS STUDY.
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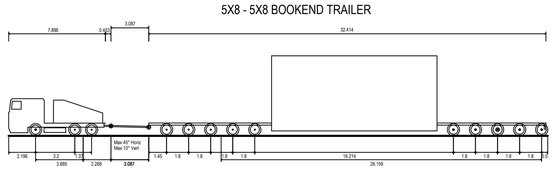
5X8 - 5X8 BOOKEND TRAILER



Tower11	
Overall Length	44.000m
Overall Width	4.200m
Overall Body Height	5.200m
Min Body Ground Clearance	0.200m
Max Track Width	3.700m
Lock-to-lock time	6.00s
Wall to Wall Turning Radius	22.745m

Rev	Description	Checked	Approved	Date
P02	ISSUED FOR STRATEGIC DESIGN	M.H	B.K	22.08.25
P01	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	28.07.25

Author K. MULLEN **Drafting Check** A. BABURAJ

Designer B. RINGER **Design Check** M. HUGHES

MGA ZONE 54

0 5 10 15 20 25m

SCALE 1:500 AT ORIGINAL SIZE

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Project No. 12659863

Client BayWa r.e.

Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title PORT OF ADELAIDE TO BULLAWAH STURT HWY AT BALRANALD 647KM TO 648KM -NSW

Size A1

Drawing No. 12659863-GHD-00-00-DRG-CI-00019

Rev P02

Plot Date: 22 August 2025 - 4:04 PM Plotted by: Kees Mullen

File Name: C:\12d\SW\data\P-00-12D-001\41-12659863 - Bullawah Wind Farm Transport route modifications_3505\CADD\Drawings\Civil\Strategic Design\12659863-GHD-00-00-DRG-CI-00019.dwg

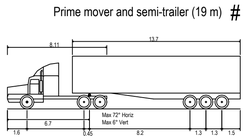
N

LEGEND

- DISTURBANCE BOUNDARY
- PROPERTY BOUNDARY
- VEHICLE LOAD OUTLINE
- VEHICLE CHASSIS OUTLINE
- EXISTING CULVERT
- CULVERT EXTENSION
- VEHICLE BODY AREA
- SEALED PAVEMENT

BASIC LEFT TURN TREATMENT (BAL), INCLUDING LINE MARKING AND REPAVING WORKS (UNLESS AN ALTERNATIVE TREATMENT IS AGREED WITH EDWARD RIVER COUNCIL DURING DETAILED DESIGN). NO WIDENING IS REQUIRED.

Prime mover and semi-trailer (19 m) #



Prime mover and semi-trailer (19 m)	
Overall Length	19.000m
Overall Width	2.500m
Overall Body Height	4.300m
Min Body Ground Clearance	0.540m
Track Width	2.500m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	12.500m

NOTE

1. TO BE READ IN CONJUNCTION WITH REX ANDREWS STUDY.
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Rev	Description	Checked	Approved	Date
P01	ISSUED FOR STRATEGIC DESIGN	M.H	T.S	22.08.25

Author K. MULLEN **Drafting Check** A. BABURAJ

Designer B. RINGER **Design Check** M. HUGHES

MGA ZONE 55

0 5 10 15 20 25m

SCALE 1:500 AT ORIGINAL SIZE

BayWa r.e.

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Project No. 12659863

Client BayWa r.e.

Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title QUARRY ACCESS CARRATHOOL RD / WILLURAH RD INTERSECTION - CONARGO - NSW

Size A1

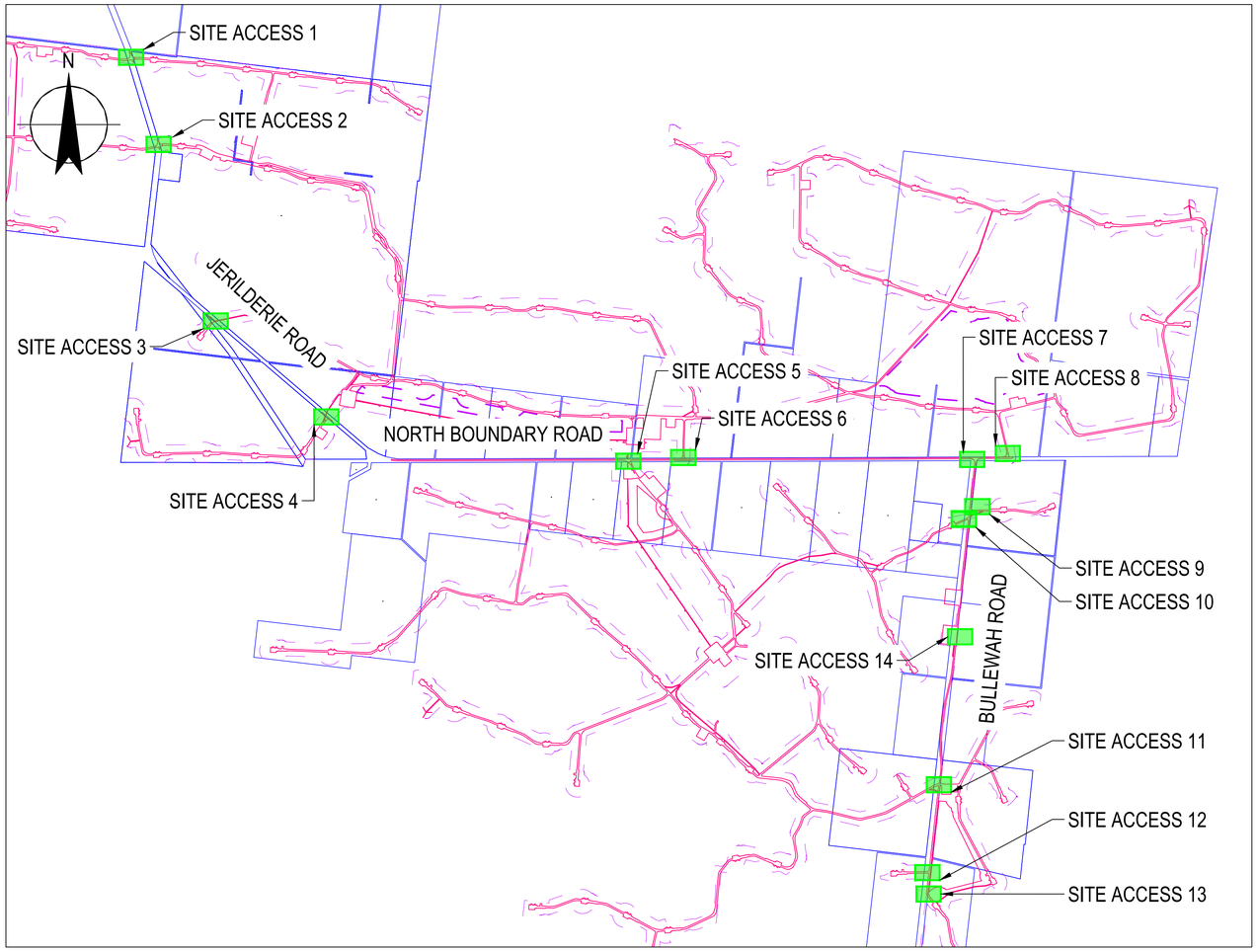
Drawing No. 12659863-GHD-00-00-DRG-CI-00065

Rev P01

Plot Date: 22 August 2025 - 4:40 PM Plotted by: Kees Mullen

File Name: C:\12d\SW\data\P-00-12D-001\41-12659863 - Bullawah Wind Farm Transport route modifications_3505\CADD\Drawings\Civil\Strategic Design\12659863-GHD-00-00-DRG-CI-00065.dwg

BayWa r.e.
BULLAWAH WIND FARM
SITE ACCESS ROUTE MODIFICATIONS CONCEPT DESIGN
12659863



LOCALITY PLAN

BULLAWAH WINDFARM - HAY SOUTH - NSW

DRAWING NUMBER	DRAWING TITLE
12659863-GHD-00-00-DRG-CI-00020	BULLAWAH SITE ACCESS - LOCALITY PLAN AND DRAWING INDEX
12659863-GHD-00-00-DRG-CI-00021	BULLAWAH SITE ACCESS - SITE ACCESS 1 - HAY SOUTH - NSW
12659863-GHD-00-00-DRG-CI-00022	BULLAWAH SITE ACCESS - SITE ACCESS 2 - HAY SOUTH - NSW
12659863-GHD-00-00-DRG-CI-00023	BULLAWAH SITE ACCESS - SITE ACCESS 3 - HAY SOUTH - NSW
12659863-GHD-00-00-DRG-CI-00024	BULLAWAH SITE ACCESS - SITE ACCESS 4 - HAY SOUTH - NSW
12659863-GHD-00-00-DRG-CI-00025	BULLAWAH SITE ACCESS - SITE ACCESS 5 - HAY SOUTH - NSW
12659863-GHD-00-00-DRG-CI-00026	BULLAWAH SITE ACCESS - SITE ACCESS 6 - HAY SOUTH - NSW
12659863-GHD-00-00-DRG-CI-00027	BULLAWAH SITE ACCESS - SITE ACCESS 7 - HAY SOUTH - NSW
12659863-GHD-00-00-DRG-CI-00028	BULLAWAH SITE ACCESS - SITE ACCESS 8 - HAY SOUTH - NSW
12659863-GHD-00-00-DRG-CI-00029	BULLAWAH SITE ACCESS - SITE ACCESS 9 - HAY SOUTH - NSW
12659863-GHD-00-00-DRG-CI-00030	BULLAWAH SITE ACCESS - SITE ACCESS 10 - HAY SOUTH - NSW
12659863-GHD-00-00-DRG-CI-00031	BULLAWAH SITE ACCESS - SITE ACCESS 11 - HAY SOUTH - NSW
12659863-GHD-00-00-DRG-CI-00032	BULLAWAH SITE ACCESS - SITE ACCESS 12 - HAY SOUTH - NSW
12659863-GHD-00-00-DRG-CI-00033	BULLAWAH SITE ACCESS - SITE ACCESS 13 - HAY SOUTH - NSW
12659863-GHD-00-00-DRG-CI-00037	BULLAWAH SITE ACCESS - SITE ACCESS 1 (SEMI) - HAY SOUTH - NSW
12659863-GHD-00-00-DRG-CI-00038	BULLAWAH SITE ACCESS - SITE ACCESS 2 (SEMI) - HAY SOUTH - NSW
12659863-GHD-00-00-DRG-CI-00039	BULLAWAH SITE ACCESS - SITE ACCESS 3 (SEMI) - HAY SOUTH - NSW
12659863-GHD-00-00-DRG-CI-00040	BULLAWAH SITE ACCESS - SITE ACCESS 4 (SEMI) - HAY SOUTH - NSW
12659863-GHD-00-00-DRG-CI-00041	BULLAWAH SITE ACCESS - SITE ACCESS 5 (SEMI) - HAY SOUTH - NSW
12659863-GHD-00-00-DRG-CI-00042	BULLAWAH SITE ACCESS - SITE ACCESS 6 (SEMI) - HAY SOUTH - NSW
12659863-GHD-00-00-DRG-CI-00043	BULLAWAH SITE ACCESS - SITE ACCESS 7 (SEMI) - HAY SOUTH - NSW
12659863-GHD-00-00-DRG-CI-00044	BULLAWAH SITE ACCESS - SITE ACCESS 8 (SEMI) - HAY SOUTH - NSW
12659863-GHD-00-00-DRG-CI-00045	BULLAWAH SITE ACCESS - SITE ACCESS 9 (SEMI) - HAY SOUTH - NSW
12659863-GHD-00-00-DRG-CI-00046	BULLAWAH SITE ACCESS - SITE ACCESS 10 (SEMI) - HAY SOUTH - NSW
12659863-GHD-00-00-DRG-CI-00047	BULLAWAH SITE ACCESS - SITE ACCESS 11 (SEMI) - HAY SOUTH - NSW
12659863-GHD-00-00-DRG-CI-00048	BULLAWAH SITE ACCESS - SITE ACCESS 12 (SEMI) - HAY SOUTH - NSW
12659863-GHD-00-00-DRG-CI-00049	BULLAWAH SITE ACCESS - SITE ACCESS 13 (SEMI) - HAY SOUTH - NSW
12659863-GHD-00-00-DRG-CI-00050	BULLAWAH SITE ACCESS - SITE ACCESS 14 (SEMI) - HAY SOUTH - NSW
12659863-GHD-00-00-DRG-CI-00057	BULLAWAH SITE ACCESS - SITE ACCESS 7 (SEMI U-TURN) - HAY SOUTH - NSW
12659863-GHD-00-00-DRG-CI-00060	BULLAWAH SITE ACCESS - NORTH BOUNDARY ROAD UPGRADE - HAY SOUTH - NSW - PLAN AND TYPICAL SECTION

Rev	Description	Checked	Approved	Date
P05	ISSUED FOR STRATEGIC DESIGN	M.H	T.S	28.08.25
P04	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	21.03.25
P03	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	11.03.25
P02	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	04.03.25

Author K. MULLEN **Drafting Check** A. BABURAJ

Designer B. RINGER **Design Check** M. HUGHES

MGA ZONE 55

0 500 1000 1500 2000 2500m

SCALE 1:50,000 AT ORIGINAL SIZE

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Project No. 12659863

Client BayWa r.e.

Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title BULLAWAH SITE ACCESS LOCALITY PLAN AND DRAWING INDEX

Size A1

Drawing No. 12659863-GHD-00-00-DRG-CI-00020

Rev P05

Plot Date: 28 August 2025 - 2:46 PM Plotted by: Kees Mullen

File Name: C:\12d\SW\data\P-00-12D-001\41-12659863 - Bullawah Wind Farm Transport route modifications_3505\CADD\Drawings\Civil\Strategic Design\12659863-GHD-00-00-DRG-CI-00020.dwg

N

LEGEND

- PROPERTY BOUNDARY
- DEVELOPMENT CORRIDOR
- DISTURBANCE FOOTPRINT
- VEHICLE LOAD OUTLINE
- VEHICLE CHASSIS OUTLINE
- VEHICLE BODY AREA
- UNSEALED PAVEMENT
- SEALED PAVEMENT

GROUND CLEARANCE TO BE CONFIRMED FOR BLADE OVERSAIL

PROCEDURE
TURNING LEFT FROM JERILDERIE ROAD USING PRIME MOVER AND LOW LOADER TRAILER CARRYING 100m WIND TURBINE BLADE

ROAD MODIFICATION
PROPOSED INTERSECTION (AREA 2940m²)

R53

R45

R15

R15

ACCESS ROAD - SITE 1

ACCESS ROAD - SITE 1

THE EXTENT OF SEALED PAVEMENT WILL BE CONFIRMED WITH HAY SHIRE COUNCIL DURING DETAILED DESIGN

JERILDERIE RD

PRIME MOVER WITH 100m WIND BLADE



PRIME MOVER WITH 100m WIND BLADE	
Overall Length	72.573m
Overall Width	4.400m
Overall Body Height	5.200m
Min Body Ground Clearance	0.250m
Max Track Width	4.200m
Lock-to-lock time	6.00s
Wall to Wall Turning Radius	22.745m

Rev	Description	Checked	Approved	Date
P07	ISSUED FOR STRATEGIC DESIGN	M.H	T.S	28.08.25
P06	ISSUED FOR STRATEGIC DESIGN	M.H	T.S	22.08.25
P05	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	28.07.25
P04	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	21.03.25
P03	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	11.03.25
P02	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	04.03.25

Author K. MULLEN **Drafting Check** A. BABURAJ

Designer B. RINGER **Design Check** M. HUGHES

MGA ZONE 55

0 5 10 15 20 25m

SCALE 1:500 AT ORIGINAL SIZE

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Project No. 12659863

Client BayWa r.e.

Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title BULLAWAH SITE ACCESS
SITE ACCESS 1
HAY SOUTH - NSW

Size A1

Drawing No. 12659863-GHD-00-00-DRG-CI-00021

Rev P07

Plot Date: 28 August 2025 - 11:41 AM Plotted by: Kees Mullen

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N

LEGEND

- PROPERTY BOUNDARY
- DEVELOPMENT CORRIDOR
- DISTURBANCE FOOTPRINT
- VEHICLE LOAD OUTLINE
- VEHICLE CHASSIS OUTLINE
- VEHICLE BODY AREA
- UNSEALED PAVEMENT
- SEALED PAVEMENT

GROUND CLEARANCE TO BE CONFIRMED FOR BLADE OVERSAIL

PROCEDURE
TURNING LEFT FROM JERILDERIE ROAD USING PRIME MOVER AND LOW LOADER TRAILER CARRYING 100m WIND TURBINE BLADE

ROAD MODIFICATION
PROPOSED INTERSECTION (AREA 3320m²)

R84

R45

ACCESS ROAD - SITE 2

ACCESS ROAD - SITE 2

R15

R15

THE EXTENT OF SEALED PAVEMENT WILL BE CONFIRMED WITH HAY SHIRE COUNCIL DURING DETAILED DESIGN

JERILDERIE RD

PRIME MOVER WITH 100m WIND BLADE



PRIME MOVER WITH 100m WIND BLADE	
Overall Length	72.573m
Overall Width	4.483m
Overall Body Height	5.200m
Min Body Ground Clearance	0.250m
Max Track Width	4.200m
Lock-to-lock time	6.00s
Wall to Wall Turning Radius	22.745m

Rev	Description	Checked	Approved	Date
P07	ISSUED FOR STRATEGIC DESIGN	M.H	T.S	28.08.25
P06	ISSUED FOR STRATEGIC DESIGN	M.H	T.S	22.08.25
P05	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	28.07.25
P04	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	21.03.25
P03	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	11.03.25
P02	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	04.03.25

Author K. MULLEN **Drafting Check** A. BABURAJ

Designer B. RINGER **Design Check** M. HUGHES

MGA ZONE 55

0 5 10 15 20 25m

SCALE 1:500 AT ORIGINAL SIZE

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Project No. 12659863

Client BayWa r.e.

Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title BULLAWAH SITE ACCESS
SITE ACCESS 2
HAY SOUTH - NSW

Size A1

Drawing No. 12659863-GHD-00-00-DRG-CI-00022

Rev P07

Plot Date: 28 August 2025 - 2:32 PM Plotted by: Kees Mullen

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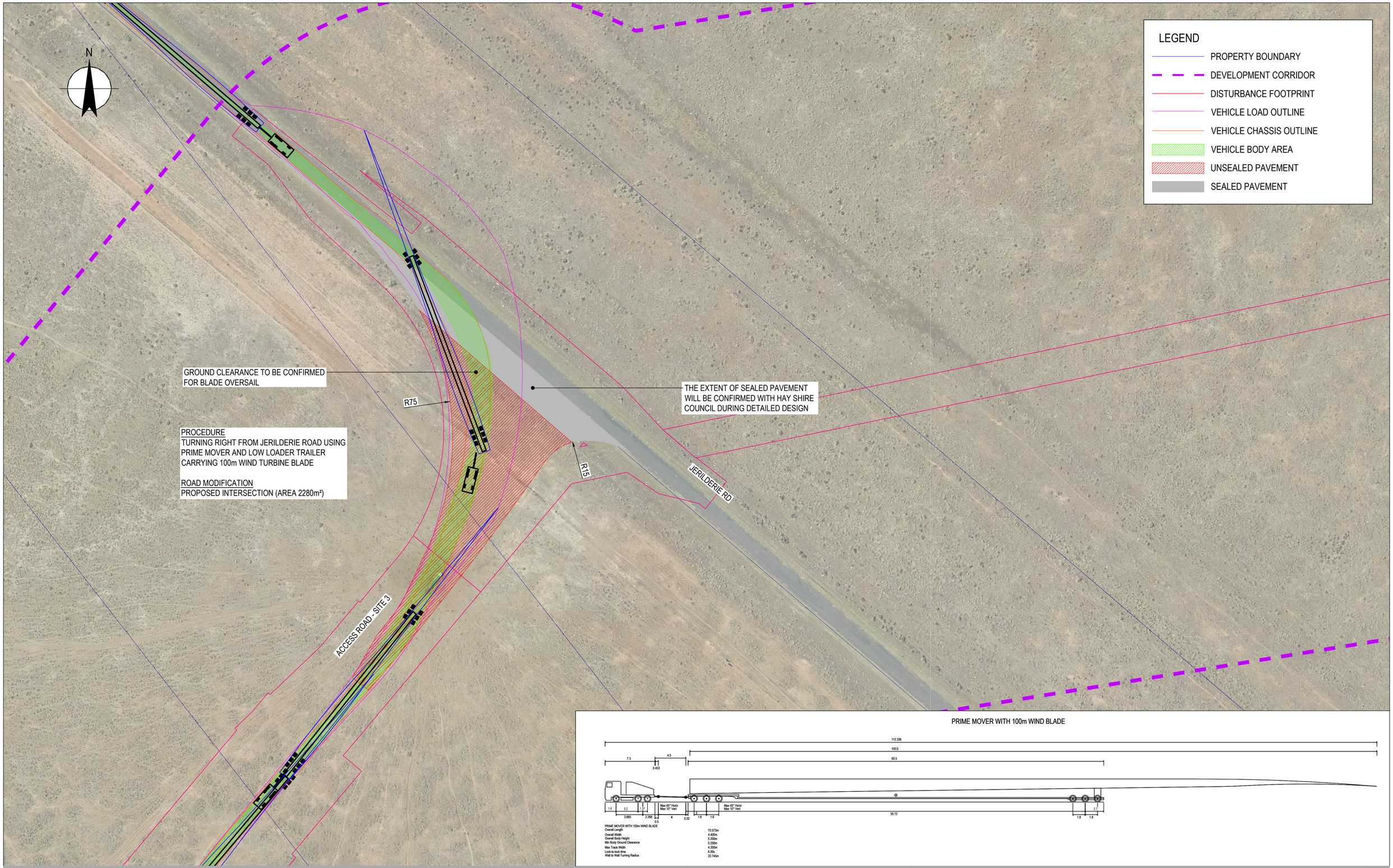

Rev	Description	Checked	Approved	Date
P07	ISSUED FOR STRATEGIC DESIGN	M.H	T.S	28.08.25
P06	ISSUED FOR STRATEGIC DESIGN	M.H	T.S	22.08.25
P05	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	28.07.25
P04	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	21.03.25
P03	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	11.03.25
P02	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	04.03.25

Author K. MULLEN **Drafting Check** A. BABURAJ

Designer B. RINGER **Design Check** M. HUGHES

MGA ZONE 55

0 5 10 15 20 25m

SCALE 1:500 AT ORIGINAL SIZE

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Project No. 12659863

Client BayWa r.e.

Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title BULLAWAH SITE ACCESS
SITE ACCESS 3
HAY SOUTH - NSW

Size A1

Drawing No. 12659863-GHD-00-00-DRG-CI-00023

Rev P07

Plot Date: 28 August 2025 - 11:37 AM Plotted by: Kees Mullen

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N

LEGEND

- PROPERTY BOUNDARY
- DEVELOPMENT CORRIDOR
- DISTURBANCE FOOTPRINT
- VEHICLE LOAD OUTLINE
- VEHICLE CHASSIS OUTLINE
- VEHICLE BODY AREA
- UNSEALED PAVEMENT
- SEALED PAVEMENT

PROCEDURE
TURNING RIGHT FROM JERILDERIE ROAD USING PRIME MOVER AND LOW LOADER TRAILER CARRYING 100m WIND TURBINE BLADE

ROAD MODIFICATION
PROPOSED INTERSECTION (AREA 1630m²)

GROUND CLEARANCE TO BE CONFIRMED FOR BLADE OVERSAIL

THE EXTENT OF SEALED PAVEMENT WILL BE CONFIRMED WITH HAY SHIRE COUNCIL DURING DETAILED DESIGN

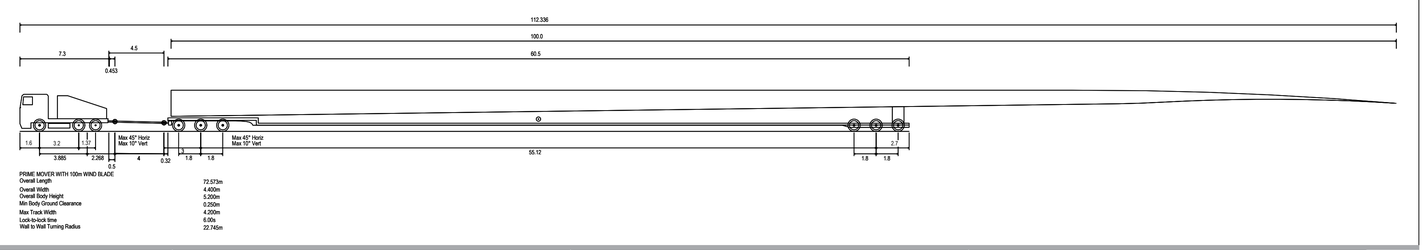
R56

R15

JERILDERIE RD

ACCESS ROAD - SITE 4

PRIME MOVER WITH 100m WIND BLADE



Rev	Description	Checked	Approved	Date
P07	ISSUED FOR STRATEGIC DESIGN	M.H	T.S	28.08.25
P06	ISSUED FOR STRATEGIC DESIGN	M.H	T.S	22.08.25
P05	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	28.07.25
P04	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	21.03.25
P03	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	11.03.25
P02	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	04.03.25

Author K. MULLEN **Drafting Check** A. BABURAJ
Designer B. RINGER **Design Check** M. HUGHES

MGA ZONE 55

0 5 10 15 20 25m
SCALE 1:500 AT ORIGINAL SIZE

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Project No. 12659863

Client BayWa r.e.

Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title BULLAWAH SITE ACCESS
SITE ACCESS 4
HAY SOUTH - NSW

Size A1

Drawing No. 12659863-GHD-00-00-DRG-CI-00024

Rev P07

Plot Date: 28 August 2025 - 11:37 AM Plotted by: Kees Mullen

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N

LEGEND

- PROPERTY BOUNDARY
- DEVELOPMENT CORRIDOR
- DISTURBANCE FOOTPRINT
- VEHICLE LOAD OUTLINE
- VEHICLE CHASSIS OUTLINE
- VEHICLE BODY AREA
- UNSEALED PAVEMENT

NORTH BOUNDARY RD

PROCEDURE
TURNING RIGHT FROM N BOUNDARY ROAD
USING PRIME MOVER AND LOW LOADER
TRAILER CARRYING 100m WIND TURBINE
BLADE

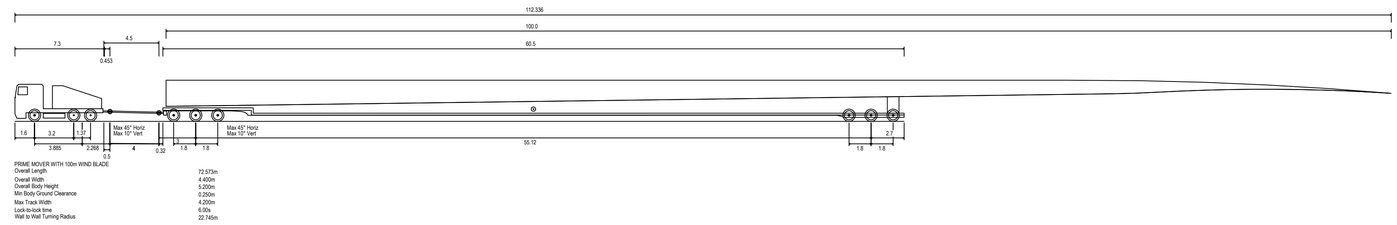
ROAD MODIFICATION
PROPOSED INTERSECTION (AREA 1420m²)

GROUND CLEARANCE TO BE CONFIRMED
FOR BLADE OVERSAIL

R127

ACCESS ROAD - SITE 5

PRIME MOVER WITH 100m WIND BLADE



PRIME MOVER WITH 100m WIND BLADE	
Overall Length	72.573m
Overall Width	4.400m
Overall Body Height	5.200m
Min Body Ground Clearance	0.250m
Max Track Width	4.200m
Lock-to-lock time	6.00s
Wall to Wall Turning Radius	22.745m

Rev	Description	Checked	Approved	Date
P06	ISSUED FOR STRATEGIC DESIGN	M.H	T.S	22.08.25
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P04	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	21.03.25
P03	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	11.03.25
P02	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	04.03.25

Author K. MULLEN **Drafting Check** A. BABURAJ
Designer B. RINGER **Design Check** M. HUGHES

MGA ZONE 55

0 5 10 15 20 25m
SCALE 1:500 AT ORIGINAL SIZE

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Project No. 12659863

Client BayWa r.e.

Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title BULLAWAH SITE ACCESS
SITE ACCESS 5
HAY SOUTH - NSW

Size A1

Drawing No. 12659863-GHD-00-00-DRG-CI-00025

Rev P06

Plot Date: 22 August 2025 - 4:07 PM Plotted by: Kees Mullen

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N

LEGEND

- PROPERTY BOUNDARY
- DEVELOPMENT CORRIDOR
- DISTURBANCE FOOTPRINT
- VEHICLE LOAD OUTLINE
- VEHICLE CHASSIS OUTLINE
- VEHICLE BODY AREA
- UNSEALED PAVEMENT

ACCESS ROAD - SITE 6

PROCEDURE
TURNING LEFT FROM N BOUNDARY ROAD USING PRIME MOVER AND LOW LOADER TRAILER CARRYING 100m WIND TURBINE BLADE

ROAD MODIFICATION
PROPOSED INTERSECTION (AREA 2025m²)

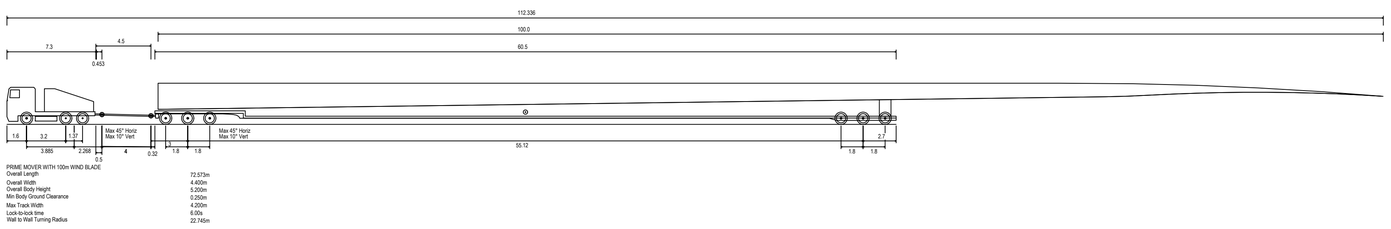
GROUND CLEARANCE TO BE CONFIRMED FOR BLADE OVERSAIL

R36

R15

NORTH BOUNDARY RD

PRIME MOVER WITH 100m WIND BLADE



PRIME MOVER WITH 100m WIND BLADE

Overall Length	72.573m
Overall Width	4.400m
Overall Body Height	5.200m
Min Body Ground Clearance	0.250m
Max Track Width	4.200m
Lock-to-lock time	6.00s
Wall to Wall Turning Radius	22.745m

Rev	Description	Checked	Approved	Date
P06	ISSUED FOR STRATEGIC DESIGN	M.H	T.S	22.08.25
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P04	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	21.03.25
P03	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	11.03.25
P02	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	04.03.25

Author K. MULLEN **Drafting Check** A. BABURAJ
Designer B. RINGER **Design Check** M. HUGHES

0 5 10 15 20 25m
SCALE 1:500 AT ORIGINAL SIZE

MGA ZONE 55

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Project No. 12659863

Client BayWa r.e.

Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title BULLAWAH SITE ACCESS
SITE ACCESS 6
HAY SOUTH - NSW

Drawing No. 12659863-GHD-00-00-DRG-CI-00026

Size A1

Rev P06

Plot Date: 22 August 2025 - 4:08 PM Plotted by: Kees Mullen

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N

PROCEDURE
TURNING RIGHT FROM N BOUNDARY ROAD
USING PRIME MOVER AND LOW LOADER
TRAILER CARRYING 100m WIND TURBINE BLADE

ROAD MODIFICATION
PROPOSED INTERSECTION (AREA 1460m²)

LEGEND
- PROPERTY BOUNDARY
- DEVELOPMENT CORRIDOR
- DISTURBANCE FOOTPRINT
- VEHICLE LOAD OUTLINE
- VEHICLE CHASSIS OUTLINE
- VEHICLE BODY AREA
- UNSEALED PAVEMENT

NORTH BOUNDARY RD

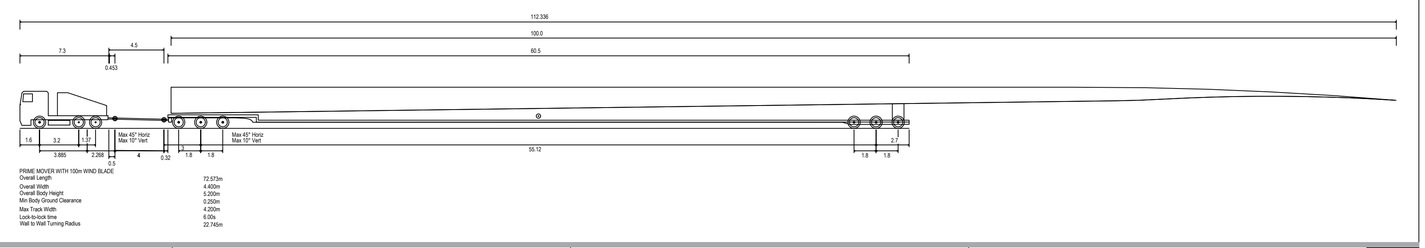
GROUND CLEARANCE TO BE CONFIRMED
FOR BLADE OVERSAIL

R19

R65

BULLEWAH RD

PRIME MOVER WITH 100m WIND BLADE



PRIME MOVER WITH 100m WIND BLADE

Overall Length	72.573m
Overall Width	4.400m
Overall Body Height	5.200m
Min Body Ground Clearance	0.250m
Max Track Width	4.200m
Lock-to-lock time	6.00s
Wall to Wall Turning Radius	22.745m

Rev	Description	Checked	Approved	Date
P07	ISSUED FOR STRATEGIC DESIGN	M.H	T.S	22.08.25
P06	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	28.07.25
P05	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	21.03.25
P04	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	12.03.25
P03	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	11.03.25
P02	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	04.03.25

Author K. MULLEN **Drafting Check** A. BABURAJ
Designer B. RINGER **Design Check** M. HUGHES

MGA ZONE 55

0 5 10 15 20 25m
SCALE 1:500 AT ORIGINAL SIZE

BayWa r.e.

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Project No. 12659863

Client BayWa r.e.

Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title BULLAWAH SITE ACCESS
SITE ACCESS 7
HAY SOUTH - NSW

Size A1

Drawing No. 12659863-GHD-00-00-DRG-CI-00027

Rev P07

Plot Date: 22 August 2025 - 4:08 PM Plotted by: Kees Mullen

File Name: C:\12d\SW\data\P-00-12D-001\41-12659863 - Bullawah Wind Farm Transport route modifications_3505\CADD\Drawings\Civil\Strategic Design\12659863-GHD-00-00-DRG-CI-00027.dwg

PRIME MOVER WITH 100m WIND BLADE



PRIME MOVER WITH 100m WIND BLADE

Overall Length	72.573m
Overall Width	4.402m
Overall Body Height	5.200m
Min Body Ground Clearance	0.260m
Max Track Width	4.200m
Lock-to-lock time	6.00s
Wall to Wall Turning Radius	22.145m

LEGEND

- PROPERTY BOUNDARY
- DEVELOPMENT CORRIDOR
- DISTURBANCE FOOTPRINT
- VEHICLE LOAD OUTLINE
- VEHICLE CHASSIS OUTLINE
- VEHICLE BODY AREA
- UNSEALED PAVEMENT

N

ACCESS ROAD - SITE 8

PROCEDURE
TURNING LEFT FROM N BOUNDARY ROAD
USING PRIME MOVER AND LOW LOADER
TRAILER CARRYING 100m WIND TURBINE BLADE

ROAD MODIFICATION
PROPOSED INTERSECTION (AREA 3150m²)

R53

R16

NORTH BOUNDARY RD

GROUND CLEARANCE TO BE CONFIRMED
FOR BLADE OVERSAIL

Rev	Description	Checked	Approved	Date
P06	ISSUED FOR STRATEGIC DESIGN	M.H	T.S	22.08.25
P05	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	28.07.25
P04	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	21.03.25
P03	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	11.03.25
P02	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	04.03.25

Author K. MULLEN **Drafting Check** A. BABURAJ

Designer B. RINGER **Design Check** M. HUGHES

MGA ZONE 55

0 5 10 15 20 25m
SCALE 1:500 AT ORIGINAL SIZE

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Project No. 12659863

Client BayWa r.e.

Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title BULLAWAH SITE ACCESS
SITE ACCESS 8
HAY SOUTH - NSW

Size A1

Drawing No. 12659863-GHD-00-00-DRG-CI-00028

Rev P06

Plot Date: 22 August 2025 - 4:09 PM Plotted by: Kees Mullen

File Name: C:\12d\SW\data\P-00-12D-001\41-12659863 - Bullawah Wind Farm Transport route modifications_3505\CADD\Drawings\Civil\Strategic Design\12659863-GHD-00-00-DRG-CI-00028.dwg

N

BULLEWAH RD

PROCEDURE
TURNING LEFT FROM BULLEWAH ROAD USING PRIME MOVER AND LOW LOADER TRAILER CARRYING 100m WIND TURBINE BLADE

ROAD MODIFICATION
PROPOSED INTERSECTION (AREA 1270m²)

R51

GROUND CLEARANCE TO BE CONFIRMED FOR BLADE OVERSAIL

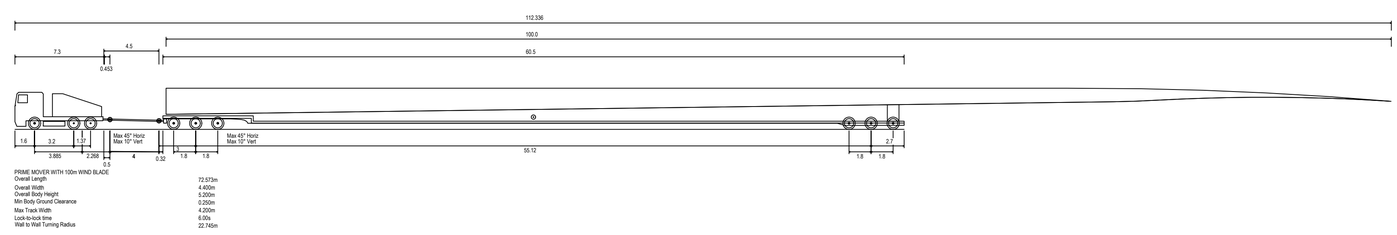
ACCESS ROAD - SITE 9

R15

LEGEND

- PROPERTY BOUNDARY
- DEVELOPMENT CORRIDOR
- DISTURBANCE FOOTPRINT
- VEHICLE LOAD OUTLINE
- VEHICLE CHASSIS OUTLINE
- VEHICLE BODY AREA
- UNSEALED PAVEMENT

PRIME MOVER WITH 100m WIND BLADE



PRIME MOVER WITH 100m WIND BLADE

Overall Length	72.573m
Overall Width	4.400m
Overall Body Height	5.200m
Min Body Ground Clearance	0.250m
Max Track Width	4.200m
Lock-to-lock time	6.00s
Wall to Wall Turning Radius	22.745m

Rev	Description		Checked	Approved	Date
P05	ISSUED FOR STRATEGIC DESIGN		M.H	T.S	22.08.25
P04	ISSUED FOR STRATEGIC DESIGN		N.B	B.K	21.03.25
P03	ISSUED FOR STRATEGIC DESIGN		N.B	B.K	11.03.25
P02	ISSUED FOR STRATEGIC DESIGN		N.B	B.K	04.03.25

Author K. MULLEN **Drafting Check** A. BABURAJ

Designer B. RINGER **Design Check** M. HUGHES

MGA ZONE 55

0 5 10 15 20 25m

SCALE 1:500 AT ORIGINAL SIZE

BayWa r.e.

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Project No. 12659863

Client BayWa r.e.

Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title BULLAWAH SITE ACCESS
SITE ACCESS 9
HAY SOUTH - NSW

Drawing No. 12659863-GHD-00-00-DRG-CI-00029

Size A1

Rev P05

Plot Date: 22 August 2025 - 4:09 PM Plotted by: Kees Mullen

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N

LEGEND

- PROPERTY BOUNDARY
- DEVELOPMENT CORRIDOR
- DISTURBANCE FOOTPRINT
- VEHICLE LOAD OUTLINE
- VEHICLE CHASSIS OUTLINE
- VEHICLE BODY AREA
- UNSEALED PAVEMENT

PROCEDURE
TURNING RIGHT FROM BULLEWAH ROAD USING PRIME MOVER AND LOW LOADER TRAILER CARRYING 100m WIND TURBINE BLADE

ROAD MODIFICATION
PROPOSED INTERSECTION (AREA 815m²)

R60

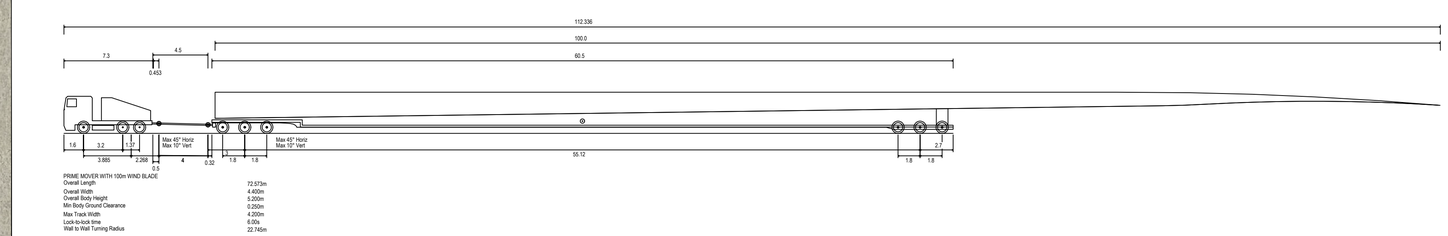
R15

GROUND CLEARANCE TO BE CONFIRMED FOR BLADE OVERSAIL

ACCESS ROAD - SITE 10

BULLEWAH RD

PRIME MOVER WITH 100m WIND BLADE



PRIME MOVER WITH 100m WIND BLADE

Overall Length	72.573m
Overall Width	4.400m
Overall Body Height	5.200m
Min Body Ground Clearance	0.200m
Max Track Width	4.200m
Lock-to-lock time	6.00s
Wall to Wall Turning Radius	22.745m

Rev	Description	Checked	Approved	Date
P05	ISSUED FOR STRATEGIC DESIGN	M.H	T.S	22.08.25
P04	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	21.03.25
P03	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	11.03.25
P02	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	04.03.25

Author K. MULLEN **Drafting Check** A. BABURAJ
Designer B. RINGER **Design Check** M. HUGHES

MGA ZONE 55

0 5 10 15 20 25m
SCALE 1:500 AT ORIGINAL SIZE

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Project No. 12659863

Client BayWa r.e.

Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title BULLAWAH SITE ACCESS
SITE ACCESS 10
HAY SOUTH - NSW

Size A1

Drawing No. 12659863-GHD-00-00-DRG-CI-00030

Rev P05

Plot Date: 22 August 2025 - 4:10 PM Plotted by: Kees Mullen

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N

LEGEND

- PROPERTY BOUNDARY
- DEVELOPMENT CORRIDOR
- DISTURBANCE FOOTPRINT
- VEHICLE LOAD OUTLINE
- VEHICLE CHASSIS OUTLINE
- VEHICLE BODY AREA
- UNSEALED PAVEMENT

GROUND CLEARANCE TO BE CONFIRMED FOR BLADE OVERSAIL

PROCEDURE
TURNING RIGHT AND LEFT FROM BULLEWAH ROAD USING PRIME MOVER AND LOW LOADER TRAILER CARRYING 100m WIND TURBINE BLADE

ROAD MODIFICATION
PROPOSED INTERSECTION (AREA 2600m²)

R46

R42

R14

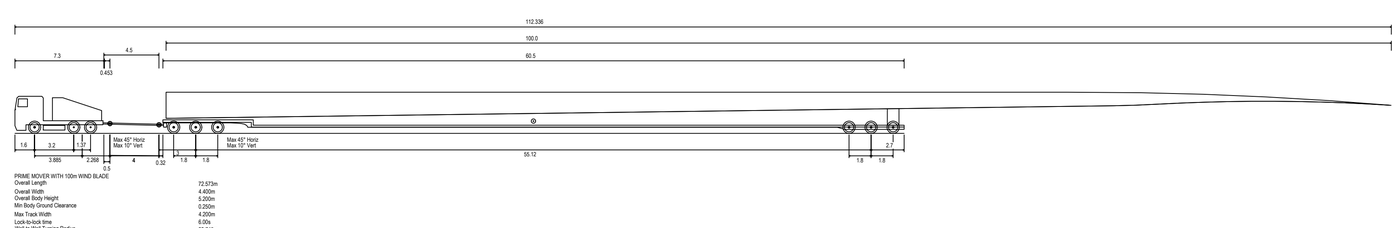
R15

ACCESS ROAD - SITE 11

ACCESS ROAD - SITE 11

BULLEWAH RD

PRIME MOVER WITH 100m WIND BLADE



PRIME MOVER WITH 100m WIND BLADE Overall Length	72.573m
Overall Width	4.400m
Overall Body Height	5.200m
Min Body Ground Clearance	0.250m
Max Track Width	4.200m
Lock-to-lock time	6.00s
Wall to Wall Turning Radius	22.745m

Rev	Description	Checked	Approved	Date
P05	ISSUED FOR STRATEGIC DESIGN	M.H	T.S	22.08.25
P04	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	21.03.25
P03	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	11.03.25
P02	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	04.03.25

Author K. MULLEN **Drafting Check** A. BABURAJ

Designer B. RINGER **Design Check** M. HUGHES

MGA ZONE 55

0 5 10 15 20 25m

SCALE 1:500 AT ORIGINAL SIZE

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Project No. 12659863

Client BayWa r.e.

Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title BULLAWAH SITE ACCESS
SITE ACCESS 11
HAY SOUTH - NSW

Size A1

Drawing No. 12659863-GHD-00-00-DRG-CI-00031

Rev P05

Plot Date: 22 August 2025 - 4:10 PM Plotted by: Kees Mullen

File Name: C:\12d\SW\data\P-00-12D-001\41-12659863 - Bullawah Wind Farm Transport route modifications_3505\CADD\Drawings\Civil\Strategic Design\12659863-GHD-00-00-DRG-CI-00031.dwg

N

LEGEND

- PROPERTY BOUNDARY
- DEVELOPMENT CORRIDOR
- DISTURBANCE FOOTPRINT
- VEHICLE LOAD OUTLINE
- VEHICLE CHASSIS OUTLINE
- VEHICLE BODY AREA
- UNSEALED PAVEMENT

PROCEDURE
TURNING RIGHT FROM BULLEWAH ROAD USING PRIME MOVER AND LOW LOADER TRAILER CARRYING 100m WIND TURBINE BLADE

ROAD MODIFICATION
PROPOSED INTERSECTION (AREA 1328m²)

R60

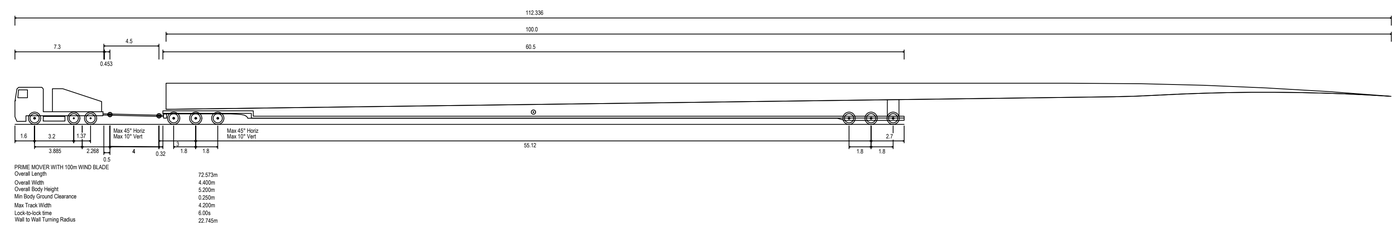
ACCESS ROAD - SITE 12

R15

GROUND CLEARANCE TO BE CONFIRMED FOR BLADE OVERSAIL

BULLEWAH RD

PRIME MOVER WITH 100m WIND BLADE



PRIME MOVER WITH 100m WIND BLADE	
Overall Length	72.573m
Overall Width	4.400m
Overall Body Height	5.200m
Min Body Ground Clearance	0.250m
Max Track Width	4.200m
Lock-to-lock time	6.00s
Wall to Wall Turning Radius	22.745m

Rev	Description	Checked	Approved	Date
P05	ISSUED FOR STRATEGIC DESIGN	M.H	T.S	22.08.25
P04	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	21.03.25
P03	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	11.03.25
P02	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	04.03.25

Author K. MULLEN **Drafting Check** A. BABURAJ
Designer B. RINGER **Design Check** M. HUGHES

MGA ZONE 55

0 5 10 15 20 25m
SCALE 1:500 AT ORIGINAL SIZE

BayWa r.e.

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Project No. 12659863

Client BayWa r.e.

Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title BULLAWAH SITE ACCESS
SITE ACCESS 12
HAY SOUTH - NSW

Size A1

Drawing No. 12659863-GHD-00-00-DRG-CI-00032

Rev P05

Plot Date: 22 August 2025 - 4:11 PM Plotted by: Kees Mullen

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N

LEGEND

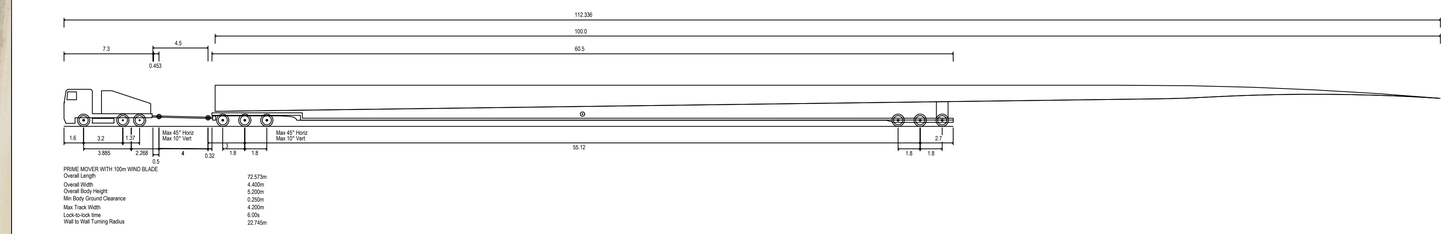
- PROPERTY BOUNDARY
- DEVELOPMENT CORRIDOR
- DISTURBANCE FOOTPRINT
- VEHICLE LOAD OUTLINE
- VEHICLE CHASSIS OUTLINE
- VEHICLE BODY AREA
- UNSEALED PAVEMENT

R107

BULLEWAH RD

ACCESS ROAD - SITE 13

PRIME MOVER WITH 100m WIND BLADE



PRIME MOVER WITH 100m WIND BLADE	
Overall Length	72.573m
Overall Width	4.400m
Overall Body Height	5.350m
Min Body Ground Clearance	0.250m
Max Track Width	4.200m
Lock-to-lock time	8.00s
Wall to Wall Turning Radius	22.745m

Rev	Description	Checked	Approved	Date
P05	ISSUED FOR STRATEGIC DESIGN	M.H	T.S	22.08.25
P04	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	21.03.25
P03	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	11.03.25
P02	ISSUED FOR STRATEGIC DESIGN	N.B	B.K	04.03.25

Author K. MULLEN **Drafting Check** A. BABURAJ

Designer B. RINGER **Design Check** M. HUGHES

MGA ZONE 55

0 5 10 15 20 25m

SCALE 1:500 AT ORIGINAL SIZE

BayWa r.e.

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Project No. 12659863

Client BayWa r.e.

Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title BULLAWAH SITE ACCESS
SITE ACCESS 13
HAY SOUTH - NSW

Size A1

Drawing No. 12659863-GHD-00-00-DRG-CI-00033

Rev P05

Plot Date: 22 August 2025 - 4:11 PM Plotted by: Kees Mullen

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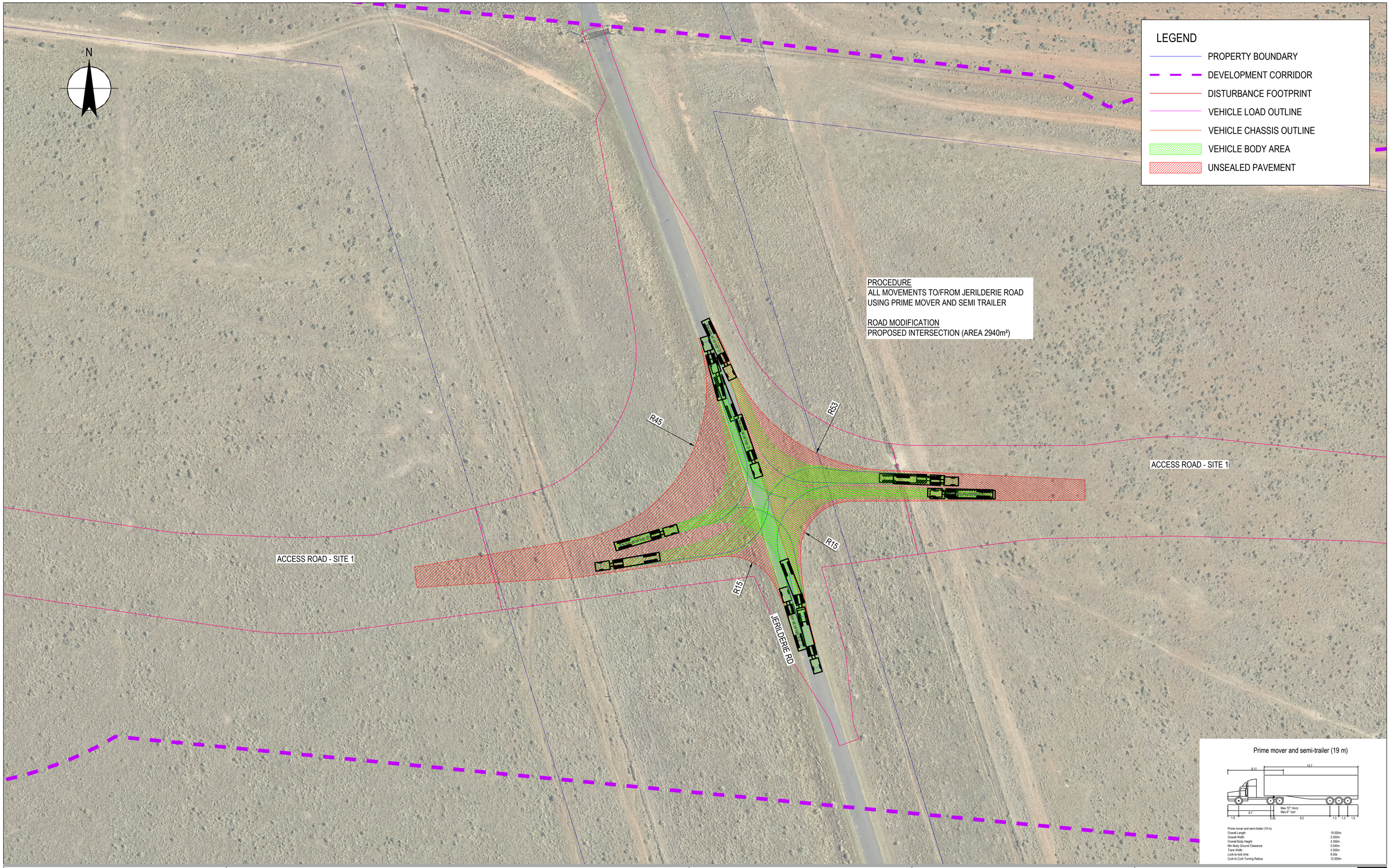

Rev	Description	Checked	Approved	Date
P01	ISSUED FOR STRATEGIC DESIGN	M.H	T.S	22.08.25

Author K. MULLEN **Drafting Check** A. BABURAJ

Designer B. RINGER **Design Check** M. HUGHES

MGA ZONE 55

0 5 10 15 20 25m

SCALE 1:500 AT ORIGINAL SIZE

BayWa r.e.

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Project No. 12659863

Client BayWa r.e.

Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title BULLAWAH SITE ACCESS
SITE ACCESS 1 (SEMI)
HAY SOUTH - NSW

Size A1

Drawing No. 12659863-GHD-00-00-DRG-CI-00037

Rev P01

Plot Date: 22 August 2025 - 4:27 PM Plotted by: Kees Mullen

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N

LEGEND

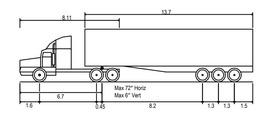
- PROPERTY BOUNDARY
- DEVELOPMENT CORRIDOR
- DISTURBANCE FOOTPRINT
- VEHICLE LOAD OUTLINE
- VEHICLE CHASSIS OUTLINE
- VEHICLE BODY AREA
- UNSEALED PAVEMENT

PROCEDURE
ALL MOVEMENTS TO/FROM JERILDERIE ROAD
USING PRIME MOVER AND SEMI TRAILER

ROAD MODIFICATION
PROPOSED INTERSECTION (AREA 3320m²)

R84
R45
R15
R15
ACCESS ROAD - SITE 2
ACCESS ROAD - SITE 2
JERILDERIE RD

Prime mover and semi-trailer (19 m)



Prime mover and semi-trailer (19 m)	
Overall Length	19.000m
Overall Width	2.500m
Overall Body Height	4.300m
Min Body Ground Clearance	0.540m
Track Width	2.500m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	12.500m

Rev	Description	Checked	Approved	Date
P01	ISSUED FOR STRATEGIC DESIGN	M.H	T.S	22.08.25

Author K. MULLEN **Drafting Check** A. BABURAJ
Designer B. RINGER **Design Check** M. HUGHES

MGA ZONE 55

0 5 10 15 20 25m
SCALE 1:500 AT ORIGINAL SIZE

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Project No. 12659863

Client BayWa r.e.

Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title BULLAWAH SITE ACCESS
SITE ACCESS 2 (SEMI)
HAY SOUTH - NSW

Size A1

Drawing No. 12659863-GHD-00-00-DRG-CI-00038

Rev P01

Plot Date: 22 August 2025 - 4:28 PM Plotted by: Kees Mullen

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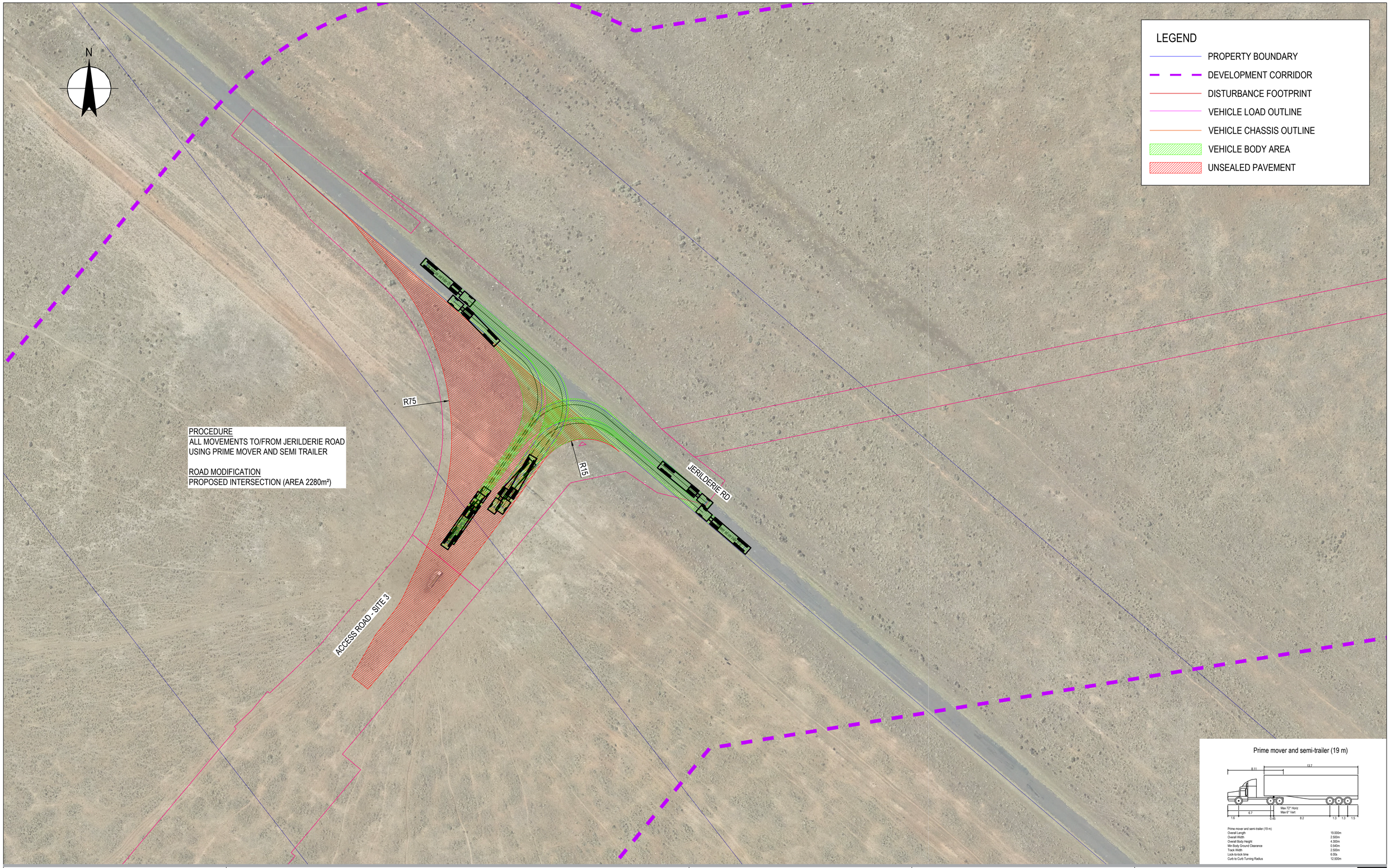

Rev	Description	Checked	Approved	Date
P01	ISSUED FOR STRATEGIC DESIGN	M.H	T.S	22.08.25

Author K. MULLEN **Drafting Check** A. BABURAJ
Designer B. RINGER **Design Check** M. HUGHES

MGA ZONE 55

0 5 10 15 20 25m
SCALE 1:500 AT ORIGINAL SIZE

BayWa r.e.

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Project No. 12659863

Client BayWa r.e.

Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title BULLAWAH SITE ACCESS
SITE ACCESS 3 (SEMI)
HAY SOUTH - NSW

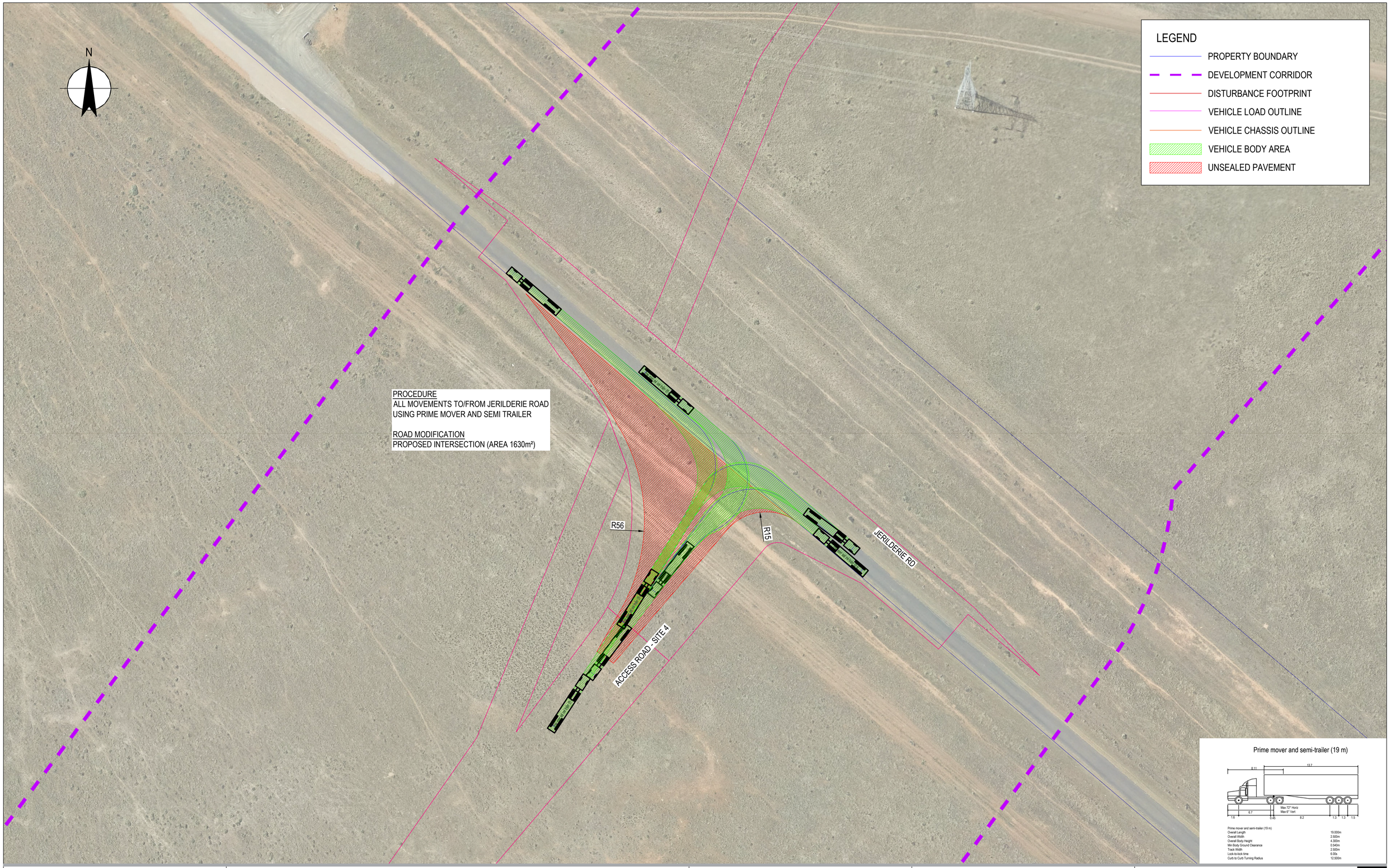
Drawing No. 12659863-GHD-00-00-DRG-CI-00039

Size A1

Rev P01

Plot Date: 22 August 2025 - 4:28 PM Plotted by: Kees Mullen

File Name: C:\12d\SW\data\P-00-12D-001\41-12659863 - Bullawah Wind Farm Transport route modifications_3505\CADD\Drawings\Civil\Strategic Design\12659863-GHD-00-00-DRG-CI-00039.dwg



Rev	Description	Checked	Approved	Date
P01	ISSUED FOR STRATEGIC DESIGN	M.H	T.S	22.08.25

Author K. MULLEN **Drafting Check** A. BABURAJ

Designer B. RINGER **Design Check** M. HUGHES

MGA ZONE 55

0 5 10 15 20 25m

SCALE 1:500 AT ORIGINAL SIZE

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Project No. 12659863

Client BayWa r.e.

Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title BULLAWAH SITE ACCESS
SITE ACCESS 4 (SEMI)
HAY SOUTH - NSW

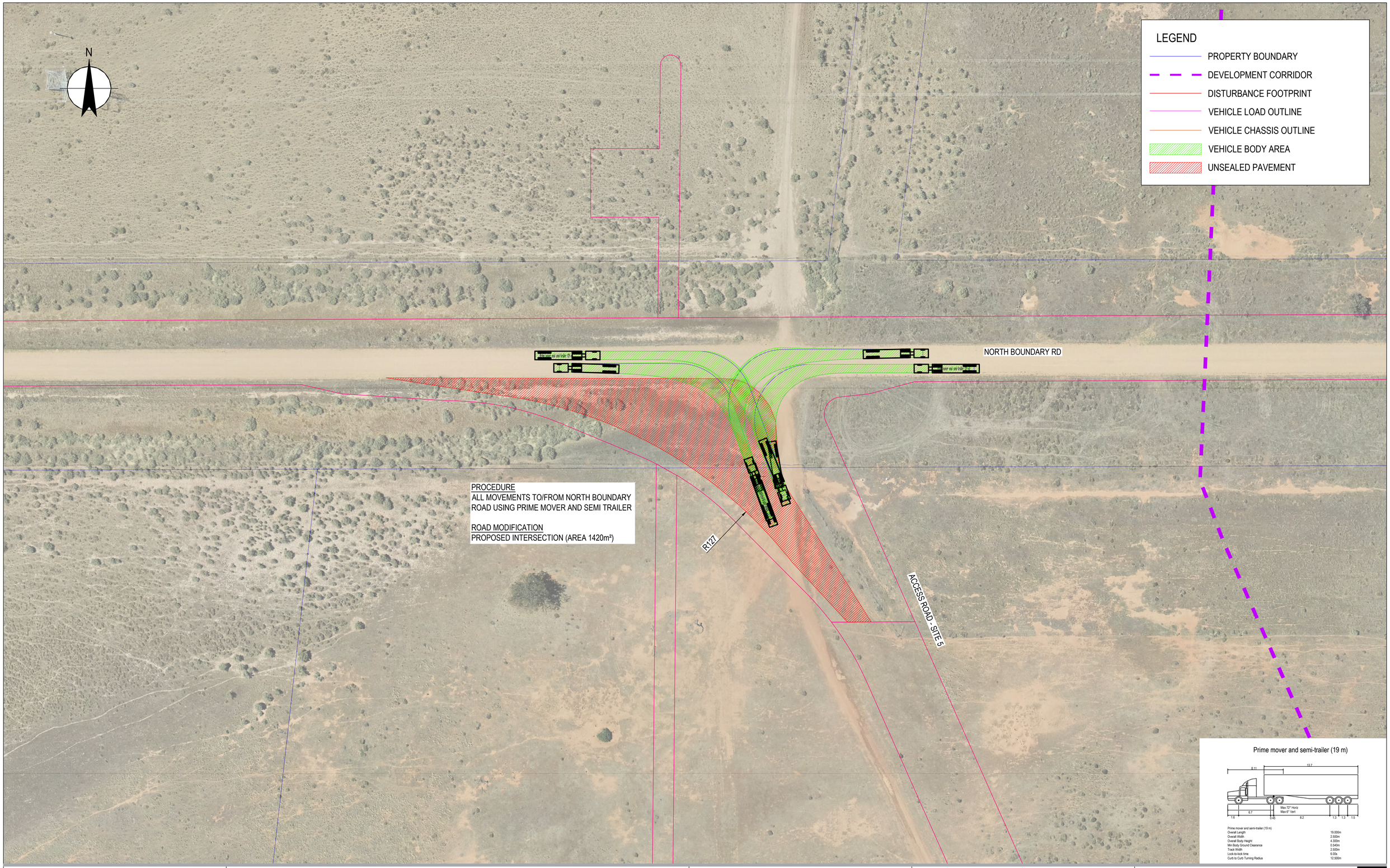
Size A1

Drawing No. 12659863-GHD-00-00-DRG-CI-00040

Rev P01

Plot Date: 22 August 2025 - 4:29 PM Plotted by: Kees Mullen

File Name: C:\12d\SW\data\P-00-12D-00114-12659863 - Bullawah Wind Farm Transport route modifications_3505\CADD\Drawings\Civil\Strategic Design\12659863-GHD-00-00-DRG-CI-00040.dwg



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P01	ISSUED FOR STRATEGIC DESIGN	M.H	T.S	22.08.25

Author K. MULLEN **Drafting Check** A. BABURAJ
Designer B. RINGER **Design Check** M. HUGHES

MGA ZONE 55

0 5 10 15 20 25m
SCALE 1:500 AT ORIGINAL SIZE

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Project No. 12659863

Client BayWa r.e.

Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title BULLAWAH SITE ACCESS
SITE ACCESS 5 (SEMI)
HAY SOUTH - NSW

Drawing No. 12659863-GHD-00-00-DRG-CI-00041

Size A1

Rev P01

Plot Date: 22 August 2025 - 4:29 PM Plotted by: Kees Mullen

File Name: C:\12d\SW\data\P-00-12D-001\41-12659863 - Bullawah Wind Farm Transport route modifications_3505\CADD\Drawings\Civil\Strategic Design\12659863-GHD-00-00-DRG-CI-00041.dwg

N

LEGEND

- PROPERTY BOUNDARY
- DEVELOPMENT CORRIDOR
- DISTURBANCE FOOTPRINT
- VEHICLE LOAD OUTLINE
- VEHICLE CHASSIS OUTLINE
- VEHICLE BODY AREA
- UNSEALED PAVEMENT

ACCESS ROAD - SITE 6

PROCEDURE
ALL MOVEMENTS TO/FROM NORTH BOUNDARY ROAD USING PRIME MOVER AND SEMI TRAILER

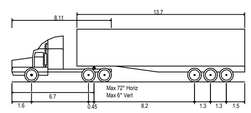
ROAD MODIFICATION
PROPOSED INTERSECTION (AREA 2025m²)

R36

R15

NORTH BOUNDARY RD

Prime mover and semi-trailer (19 m)



Prime mover and semi-trailer (19 m)	
Overall Length	19.000m
Overall Width	2.500m
Overall Body Height	4.300m
Min Body Ground Clearance	0.540m
Track Width	2.500m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	12.500m

Rev	Description	Checked	Approved	Date
P01	ISSUED FOR STRATEGIC DESIGN	M.H	T.S	22.08.25

Author K. MULLEN **Drafting Check** A. BABURAJ
Designer B. RINGER **Design Check** M. HUGHES

MGA ZONE 55

0 5 10 15 20 25m
SCALE 1:500 AT ORIGINAL SIZE

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Project No. 12659863

Client BayWa r.e.

Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title BULLAWAH SITE ACCESS
SITE ACCESS 6 (SEMI)
HAY SOUTH - NSW

Size A1

Drawing No. 12659863-GHD-00-00-DRG-CI-00042

Rev P01

Plot Date: 22 August 2025 - 4:30 PM Plotted by: Kees Mullen

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N

PROCEDURE
ALL MOVEMENTS TO/FROM NORTH BOUNDARY ROAD USING PRIME MOVER AND SEMI TRAILER

ROAD MODIFICATION
PROPOSED INTERSECTION (AREA 1460m²)

LEGEND
- PROPERTY BOUNDARY
- DEVELOPMENT CORRIDOR
- DISTURBANCE FOOTPRINT
- VEHICLE LOAD OUTLINE
- VEHICLE CHASSIS OUTLINE
- VEHICLE BODY AREA
- UNSEALED PAVEMENT

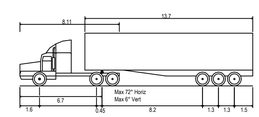
NORTH BOUNDARY RD

R19

R65

BULLEWAH RD

Prime mover and semi-trailer (19 m)



Prime mover and semi-trailer (19 m)	
Overall Length	19.000m
Overall Width	2.500m
Overall Body Height	4.300m
Min Body Ground Clearance	0.540m
Track Width	2.500m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	12.500m

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MGA ZONE 55

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Project No. 12659863

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Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title BULLAWAH SITE ACCESS
SITE ACCESS 7 (SEMI)
HAY SOUTH - NSW

Size A1

Drawing No. 12659863-GHD-00-00-DRG-CI-00043

Rev P01

Plot Date: 22 August 2025 - 4:30 PM Plotted by: Kees Mullen

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N

LEGEND

- PROPERTY BOUNDARY
- DEVELOPMENT CORRIDOR
- DISTURBANCE FOOTPRINT
- VEHICLE LOAD OUTLINE
- VEHICLE CHASSIS OUTLINE
- VEHICLE BODY AREA
- UNSEALED PAVEMENT

ACCESS ROAD - SITE 8

PROCEDURE
ALL MOVEMENTS TO/FROM NORTH BOUNDARY ROAD USING PRIME MOVER AND SEMI TRAILER

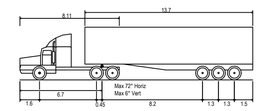
ROAD MODIFICATION
PROPOSED INTERSECTION (AREA 3150m²)

R53

R16

NORTH BOUNDARY RD

Prime mover and semi-trailer (19 m)



Prime mover and semi-trailer (19 m)	
Overall Length	19.000m
Overall Width	2.500m
Overall Body Height	4.300m
Min Body Ground Clearance	0.540m
Track Width	2.500m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	12.500m

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Designer B. RINGER **Design Check** M. HUGHES

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Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title BULLAWAH SITE ACCESS
SITE ACCESS 8 (SEMI)
HAY SOUTH - NSW

Size A1

Drawing No. 12659863-GHD-00-00-DRG-CI-00044

Rev P01

Plot Date: 22 August 2025 - 4:31 PM Plotted by: Kees Mullen

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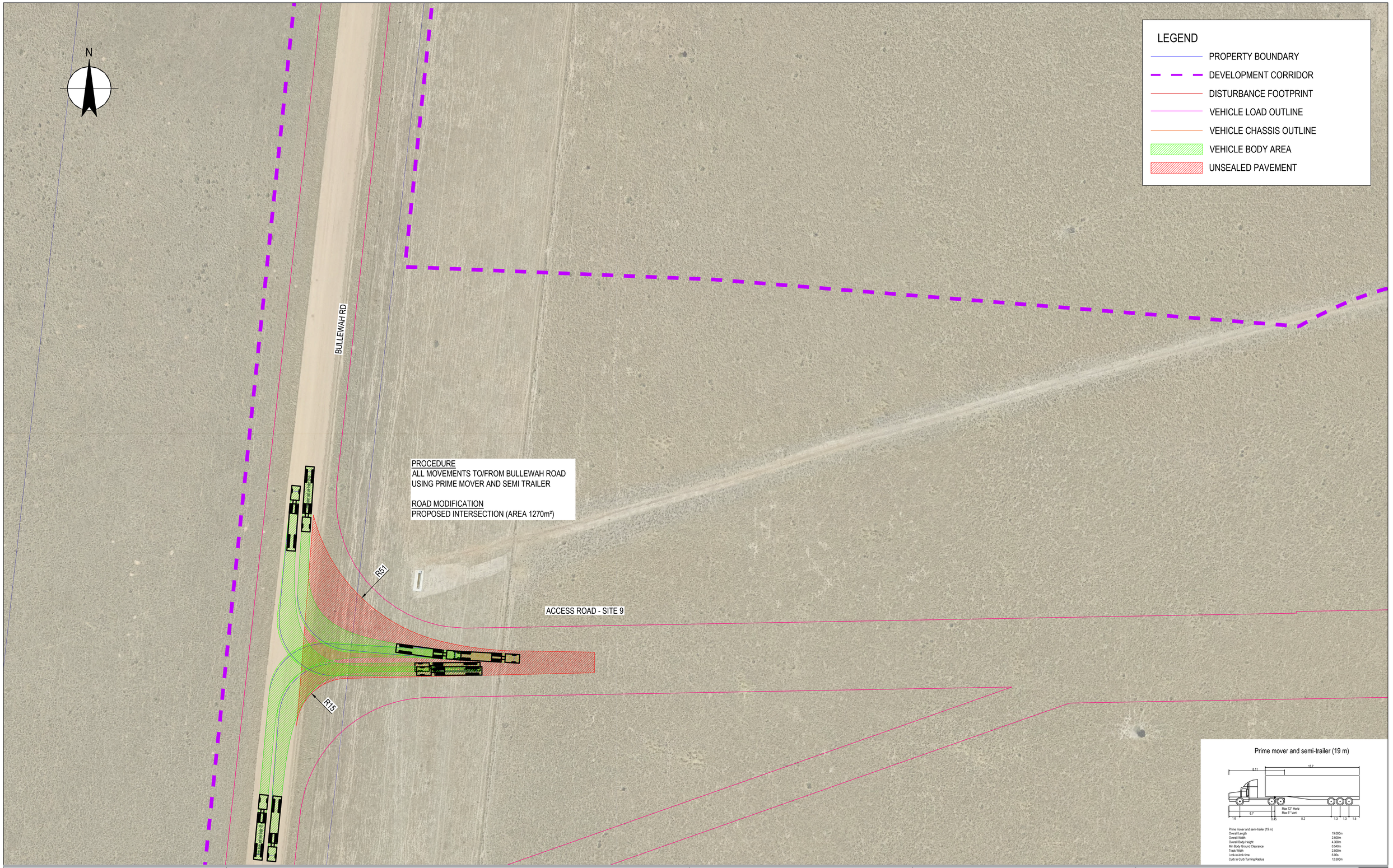

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P01	ISSUED FOR STRATEGIC DESIGN	M.H	T.S	22.08.25

Author K. MULLEN **Drafting Check** A. BABURAJ

Designer B. RINGER **Design Check** M. HUGHES

MGA ZONE 55

0 5 10 15 20 25m

SCALE 1:500 AT ORIGINAL SIZE

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Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title BULLAWAH SITE ACCESS
SITE ACCESS 9 (SEMI)
HAY SOUTH - NSW

Size A1

Drawing No. 12659863-GHD-00-00-DRG-CI-00045

Rev P01

Plot Date: 22 August 2025 - 4:31 PM Plotted by: Kees Mullen

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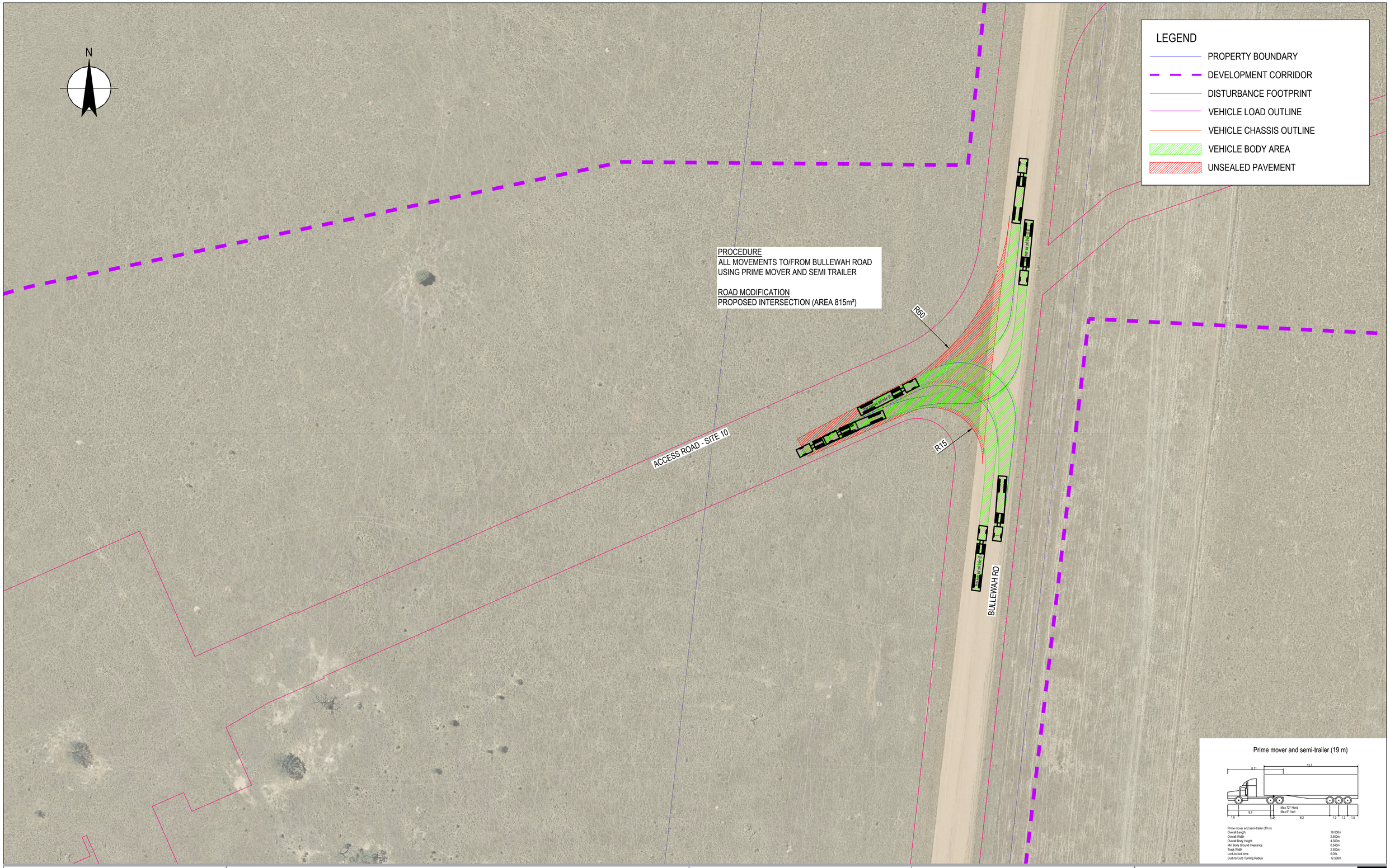

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Author K. MULLEN **Drafting Check** A. BABURAJ
Designer B. RINGER **Design Check** M. HUGHES

MGA ZONE 55

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SCALE 1:500 AT ORIGINAL SIZE

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Project No. 12659863

Client BayWa r.e.

Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title BULLAWAH SITE ACCESS
SITE ACCESS 10 (SEMI)
HAY SOUTH - NSW

Size A1

Drawing No. 12659863-GHD-00-00-DRG-CI-00046

Rev P01

Plot Date: 22 August 2025 - 4:32 PM Plotted by: Kees Mullen

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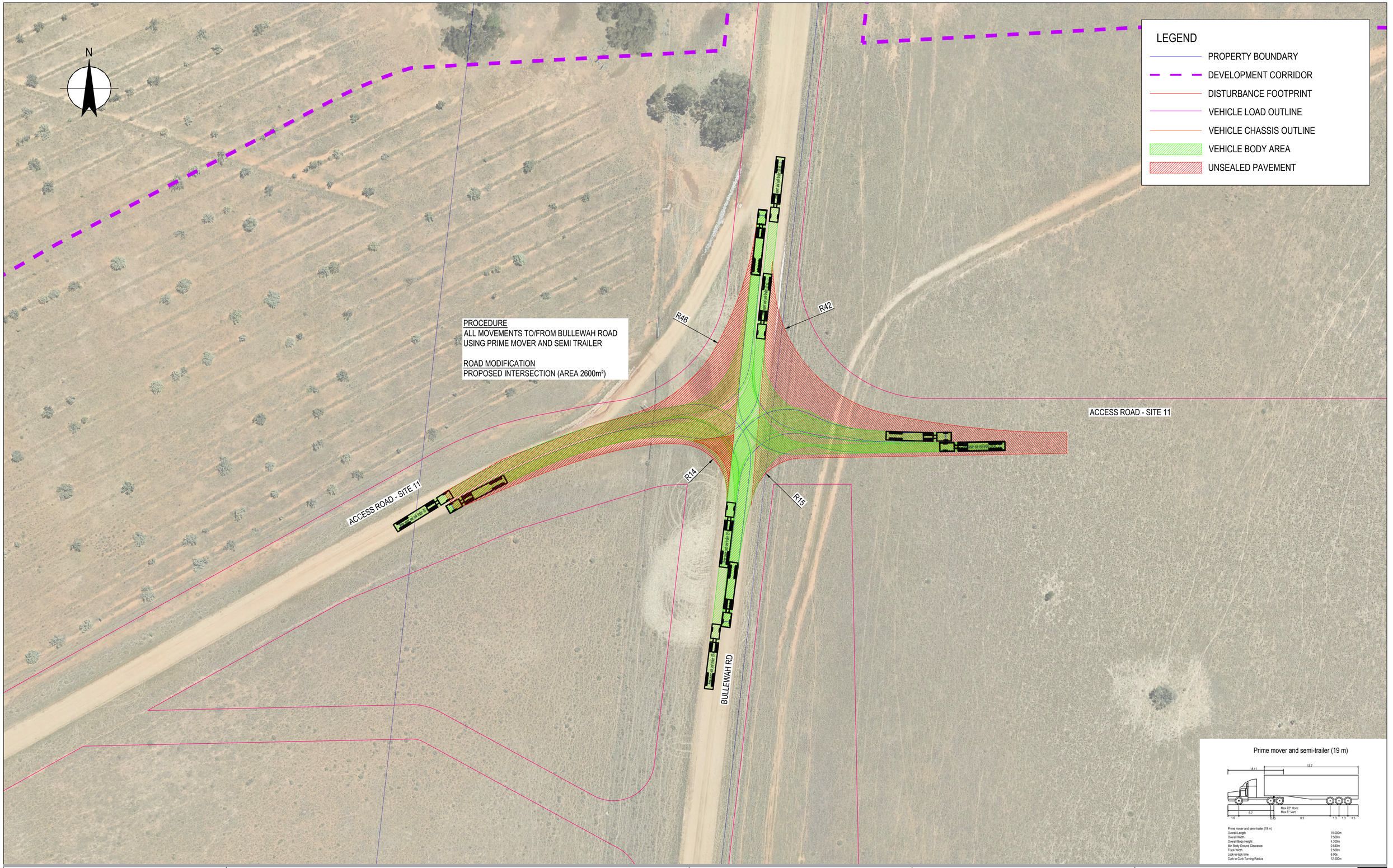

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Author K. MULLEN **Drafting Check** A. BABURAJ

Designer B. RINGER **Design Check** M. HUGHES

MGA ZONE 55

0 5 10 15 20 25m

SCALE 1:500 AT ORIGINAL SIZE

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Project No. 12659863

Client BayWa r.e.

Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title BULLAWAH SITE ACCESS
SITE ACCESS 11 (SEMI)
HAY SOUTH - NSW

Size A1

Drawing No. 12659863-GHD-00-00-DRG-CI-00047

Rev P01

Plot Date: 22 August 2025 - 4:32 PM Plotted by: Kees Mullen

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Author K. MULLEN **Drafting Check** A. BABURAJ
Designer B. RINGER **Design Check** M. HUGHES

MGA ZONE 55

0 5 10 15 20 25m
SCALE 1:500 AT ORIGINAL SIZE

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Project No. 12659863

Client BayWa r.e.

Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title BULLAWAH SITE ACCESS
SITE ACCESS 12 (SEMI)
HAY SOUTH - NSW

Size A1

Drawing No. 12659863-GHD-00-00-DRG-CI-00048

Rev P01

Plot Date: 22 August 2025 - 4:33 PM Plotted by: Kees Mullen

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N

LEGEND

- PROPERTY BOUNDARY
- DEVELOPMENT CORRIDOR
- DISTURBANCE FOOTPRINT
- VEHICLE LOAD OUTLINE
- VEHICLE CHASSIS OUTLINE
- VEHICLE BODY AREA
- UNSEALED PAVEMENT

PROCEDURE
LEFT IN / RIGHT OUT MOVEMENTS TO/FROM BULLEWAH ROAD USING PRIME MOVER AND SEMI TRAILER

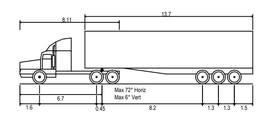
ROAD MODIFICATION
PROPOSED INTERSECTION (AREA 413m²)

R107

BULLEWAH RD

ACCESS ROAD - SITE 13

Prime mover and semi-trailer (19 m)



Prime mover and semi-trailer (19 m)	
Overall Length	19.000m
Overall Width	2.500m
Overall Body Height	4.300m
Min Body Ground Clearance	0.540m
Track Width	2.500m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	12.500m

Rev	Description	Checked	Approved	Date
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Project No. 12659863

Client BayWa r.e.

Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title BULLAWAH SITE ACCESS
SITE ACCESS 13 (SEMI)
HAY SOUTH - NSW

Drawing No. 12659863-GHD-00-00-DRG-CI-00049

Size A1

Rev P01

Plot Date: 22 August 2025 - 4:34 PM Plotted by: Kees Mullen

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N

LEGEND

- PROPERTY BOUNDARY
- DEVELOPMENT CORRIDOR
- DISTURBANCE FOOTPRINT
- VEHICLE LOAD OUTLINE
- VEHICLE CHASSIS OUTLINE
- VEHICLE BODY AREA
- UNSEALED PAVEMENT

PROPOSED CAMP CARPARK

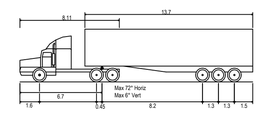
R18

BULLAWAH ROAD

PROCEDURE
ALL MOVEMENTS TO/FROM BULLEWAH ROAD USING PRIME MOVER AND SEMI TRAILER

ROAD MODIFICATION
PROPOSED INTERSECTION (AREA 500m²)

Prime mover and semi-trailer (19 m)



Prime mover and semi-trailer (19 m)	
Overall Length	19.000m
Overall Width	2.500m
Overall Body Height	4.300m
Min Body Ground Clearance	0.540m
Track Width	2.500m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	12.500m

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Project No. 12659863

Client BayWa r.e.

Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title BULLAWAH SITE ACCESS
SITE ACCESS 14 (SEMI)
HAY SOUTH - NSW

Size A1

Drawing No. 12659863-GHD-00-00-DRG-CI-00050

Rev P01

Plot Date: 22 August 2025 - 4:34 PM Plotted by: Kees Mullen

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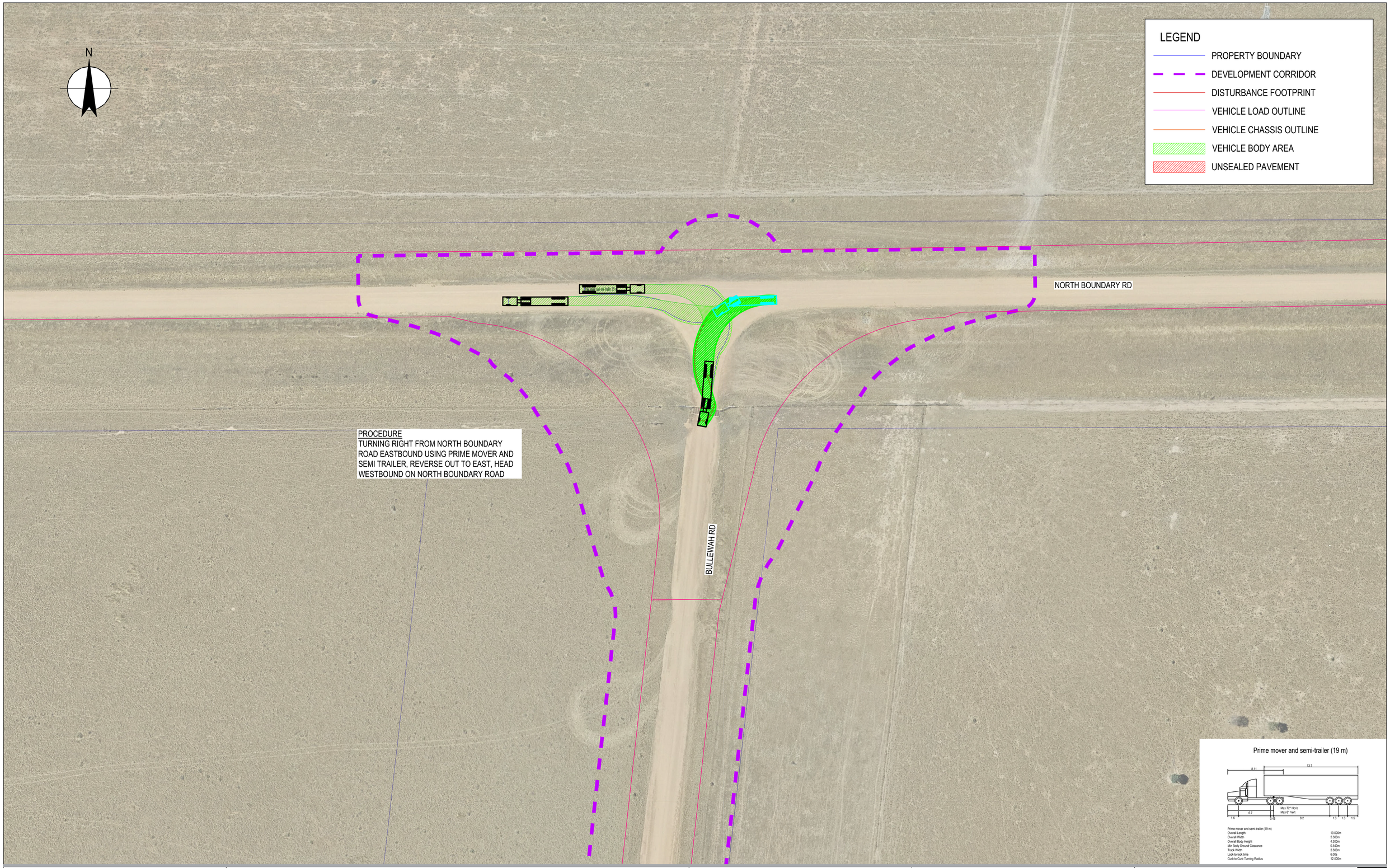

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Client BayWa r.e.

Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title BULLAWAH SITE ACCESS
SITE ACCESS 7 (SEMI U-TURN)
HAY SOUTH - NSW

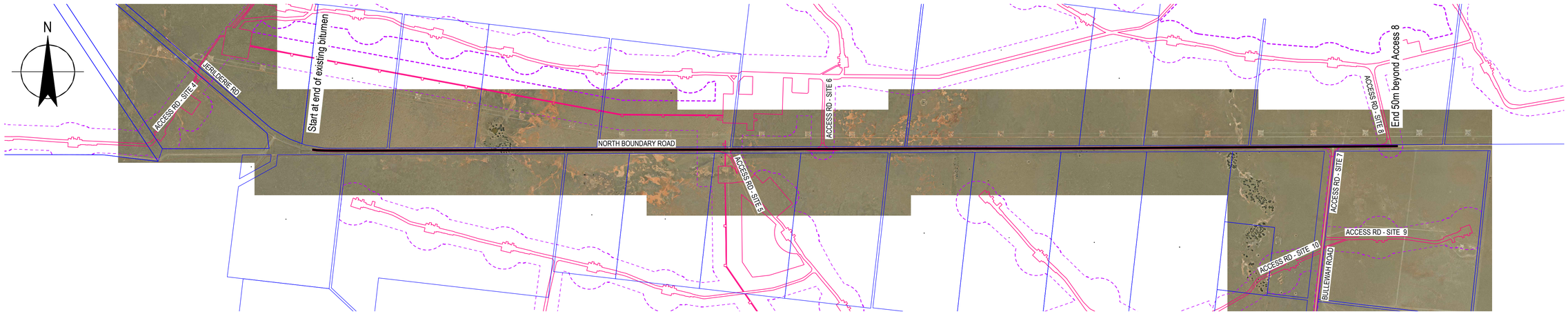
Size A1

Drawing No. 12659863-GHD-00-00-DRG-CI-00057

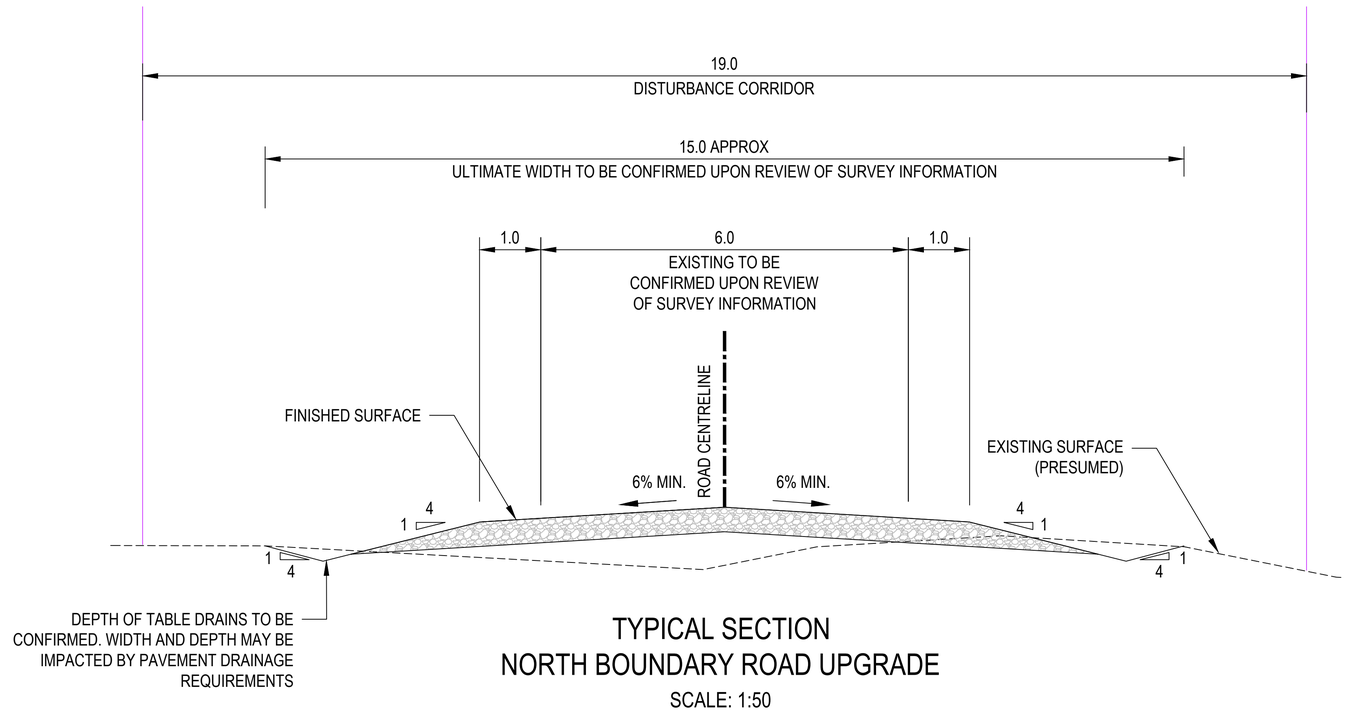
Rev P01

Plot Date: 22 August 2025 - 4:38 PM Plotted by: Kees Mullen

File Name: C:\12d\SW\data\P-00-12D-001\41-12659863 - Bullawah Wind Farm Transport route modifications_3505\CADD\Drawings\Civil\Strategic Design\12659863-GHD-00-00-DRG-CI-00057.dwg



PLAN
SCALE: 1:20,000



TYPICAL SECTION
NORTH BOUNDARY ROAD UPGRADE
SCALE: 1:50

Rev	Description	Checked	Approved	Date
P01	ISSUED FOR STRATEGIC DESIGN	M.H	T.S	28.08.25

Author K. MULLEN **Drafting Check** A. BABURAJ **Reg No.**
Designer B. RINGER **Design Check** M. HUGHES **Date**

MGA ZONE 55

0 200 400 600 800 1000m
SCALE 1:20,000 AT ORIGINAL SIZE

0 0.5 1.0 1.5 2.0 2.5m
SCALE 1:50 AT ORIGINAL SIZE

BayWa r.e.

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Project No. 12659863

Client BayWa r.e.

Project BULLAWAH WINDFARM TRANSPORT ROUTE MODIFICATIONS

Status CONCEPT

Drawing Title BULLAWAH SITE ACCESS
NORTH BOUNDARY ROAD UPGRADE
HAY SOUTH - NSW
PLAN AND TYPICAL SECTION

Size A1

Drawing No. 12659863-GHD-00-00-DRG-CI-00060

Rev P01

Plot Date: 28 August 2025 - 11:38 AM Plotted by: Kees Mullen

File Name: C:\12d\SW\data\P-00-12D-001\41-12659863 - Bullawah Wind Farm Transport route modifications_3505\CADD\Drawings\Civil\Strategic Design\12659863-GHD-00-00-DRG-CI-00060.dwg