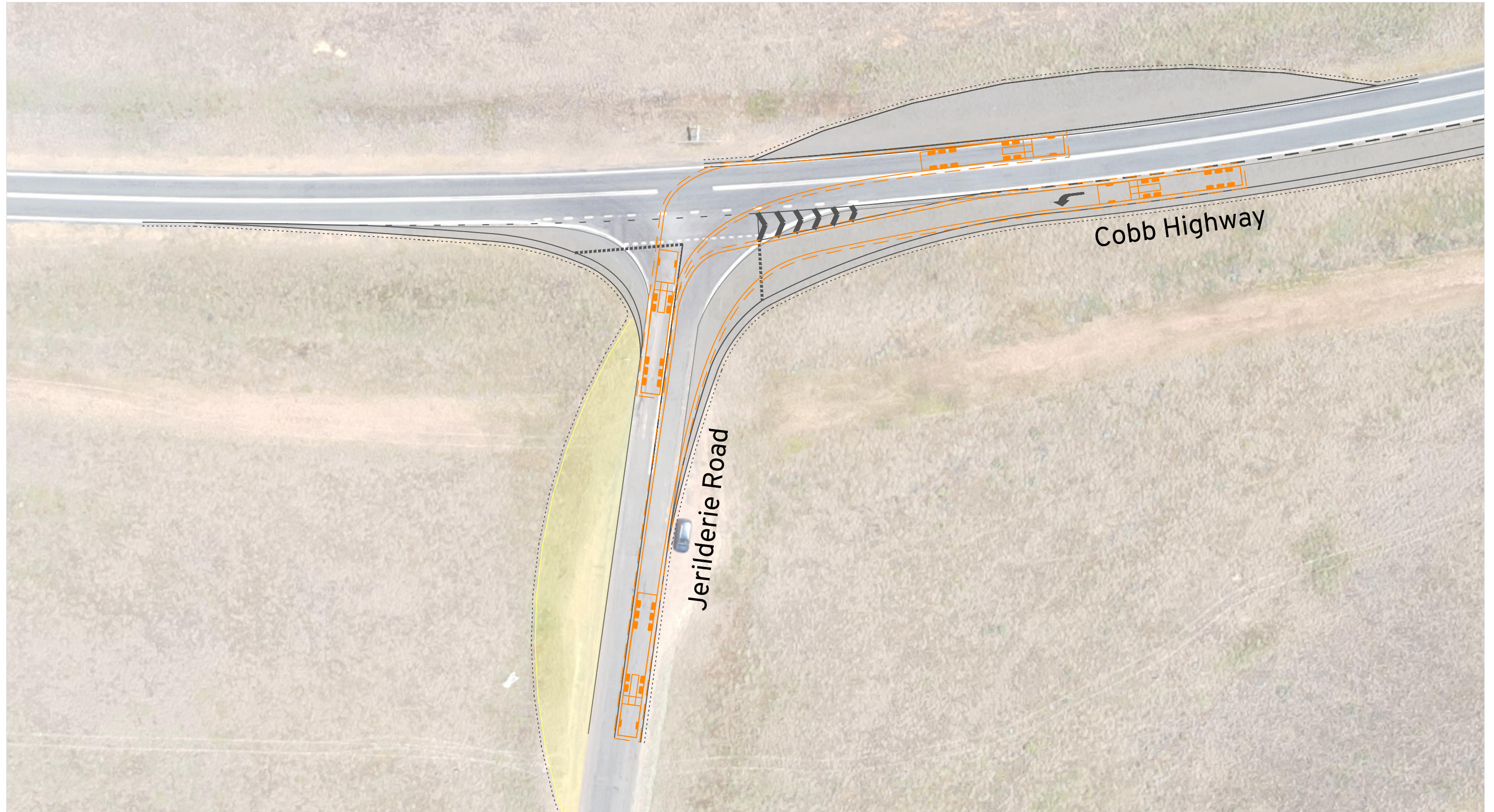




Pottinger Wind Farm
Cobb Highway / Jerilderie Road
Strategic Design - CHL (Sight Distance)

DRAWN: OM
DATE: 28/11/2024
DWG NO: 768 F03E - WF
SCALE at A3: 1:750



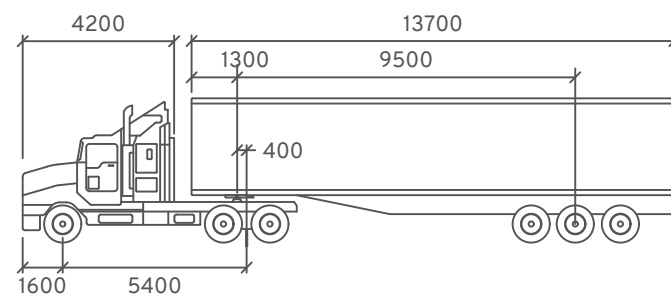
Vehicle Envelope

500mm Clearance

Reverse Manoeuvre

Min. Design Speed 5km/h

AV



	mm
Tractor Width	: 2500
Trailer Width	: 2500
Tractor Track	: 2500
Trailer Track	: 2500
Lock to Lock	: 6.0s
Steering Angle	: 28.3
Articulating Angle	: 70.0



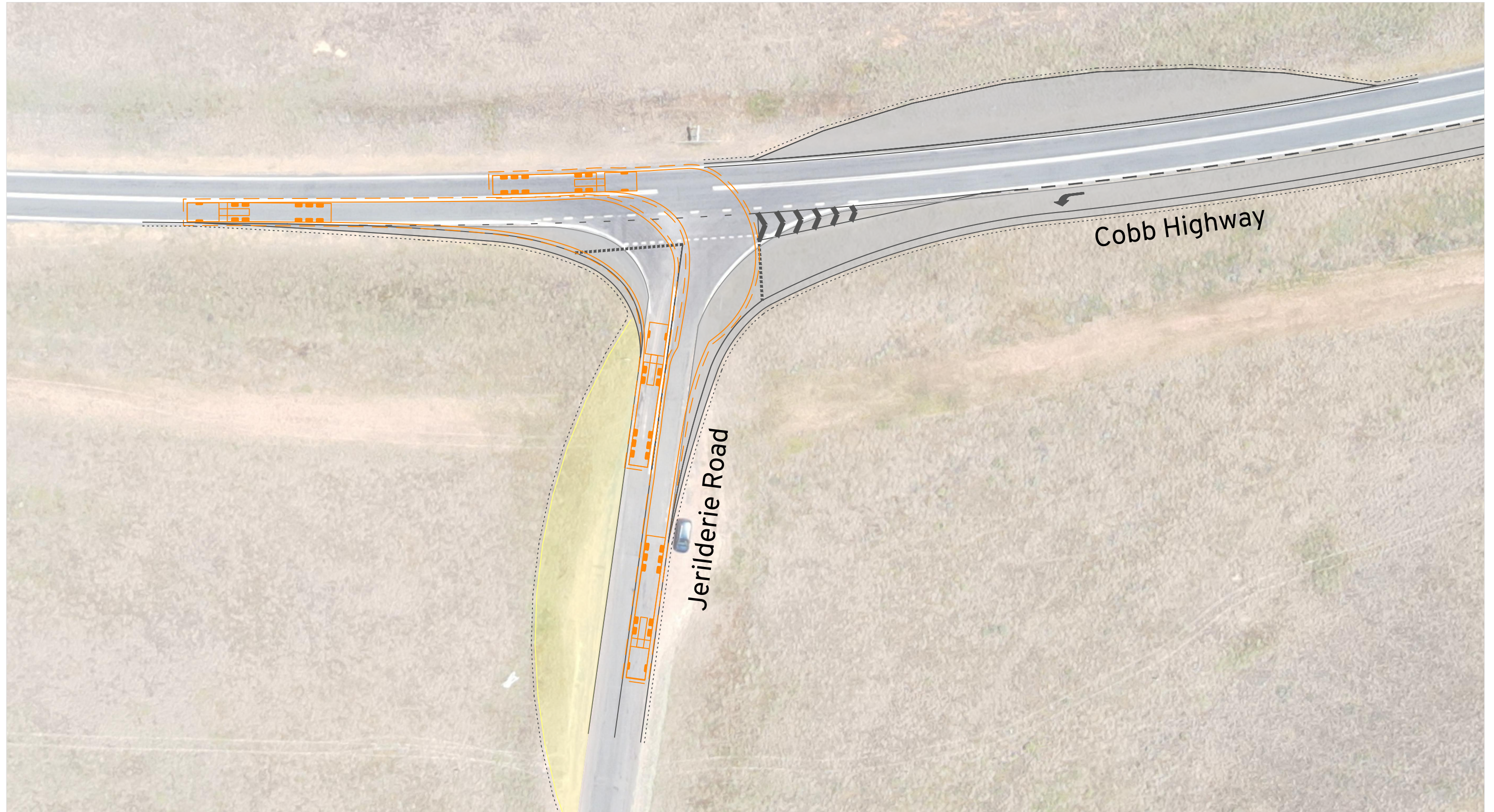
Pottinger Wind Farm

Cobb Highway / Jerilderie Road

Swept Path Assessment

DRAWN: OM
DATE: 28/11/2024
DWG NO: 768 F03E - WF
SCALE at A3: 1:500

Amber S01-1

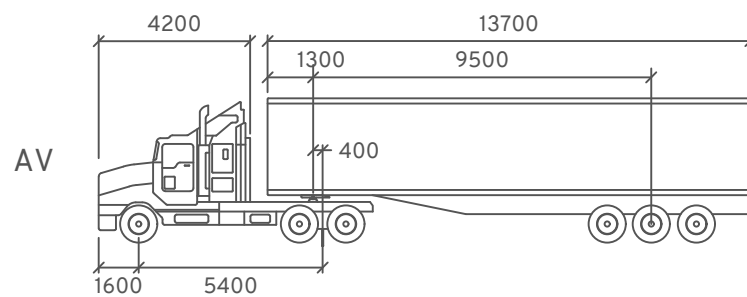


Vehicle Envelope

500mm Clearance

Reverse Manoeuvre

Min. Design Speed 5km/h



	mm
Tractor Width	: 2500
Trailer Width	: 2500
Tractor Track	: 2500
Trailer Track	: 2500
Lock to Lock	: 6.0s
Steering Angle	: 28.3
Articulating Angle	: 70.0

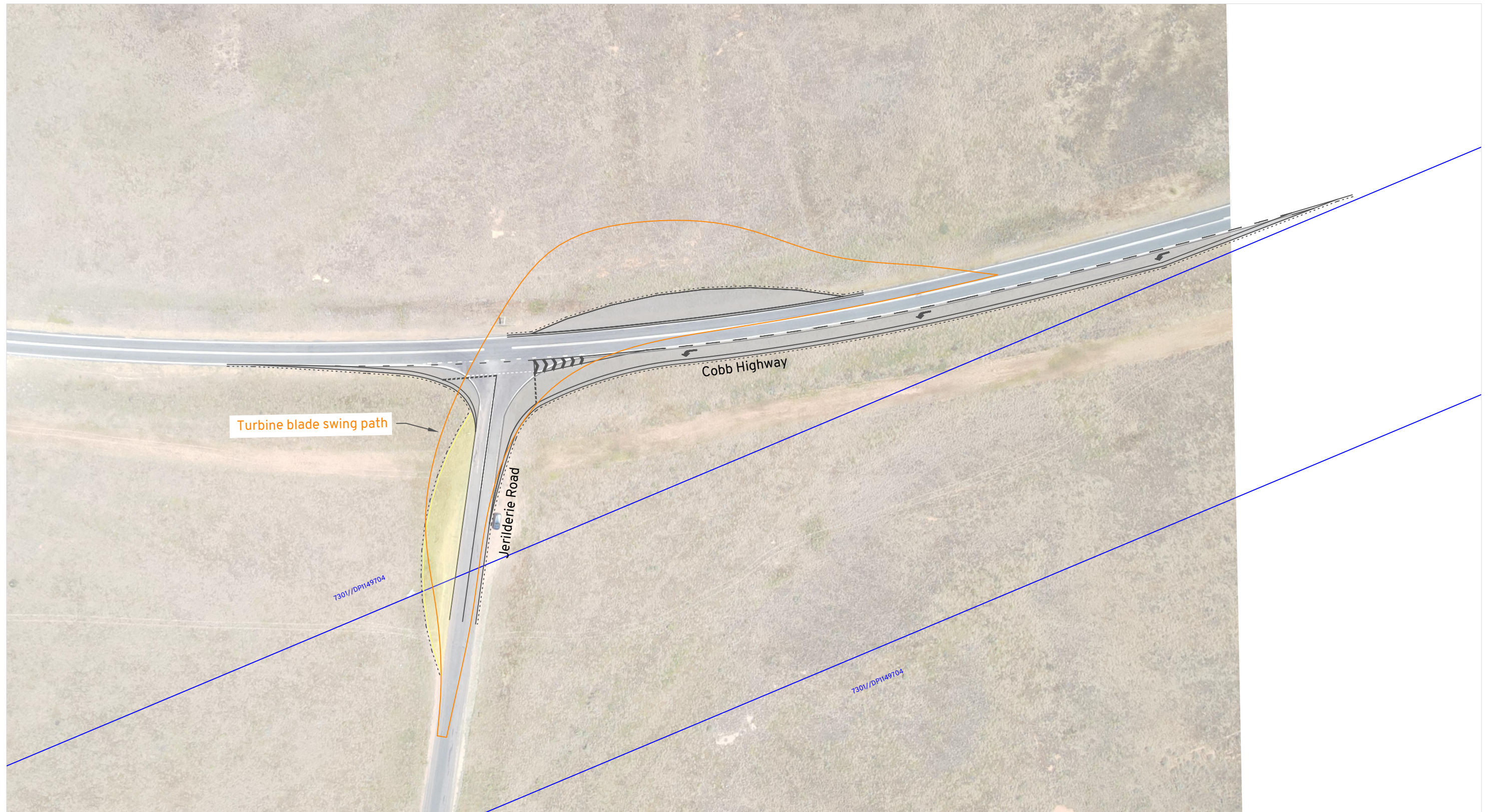


Pottinger Wind Farm

Cobb Highway / Jerilderie Road

Swept Path Assessment

DRAWN: OM
DATE: 28/11/2024
DWG NO: 768 F03E - WF
SCALE at A3: 1:500



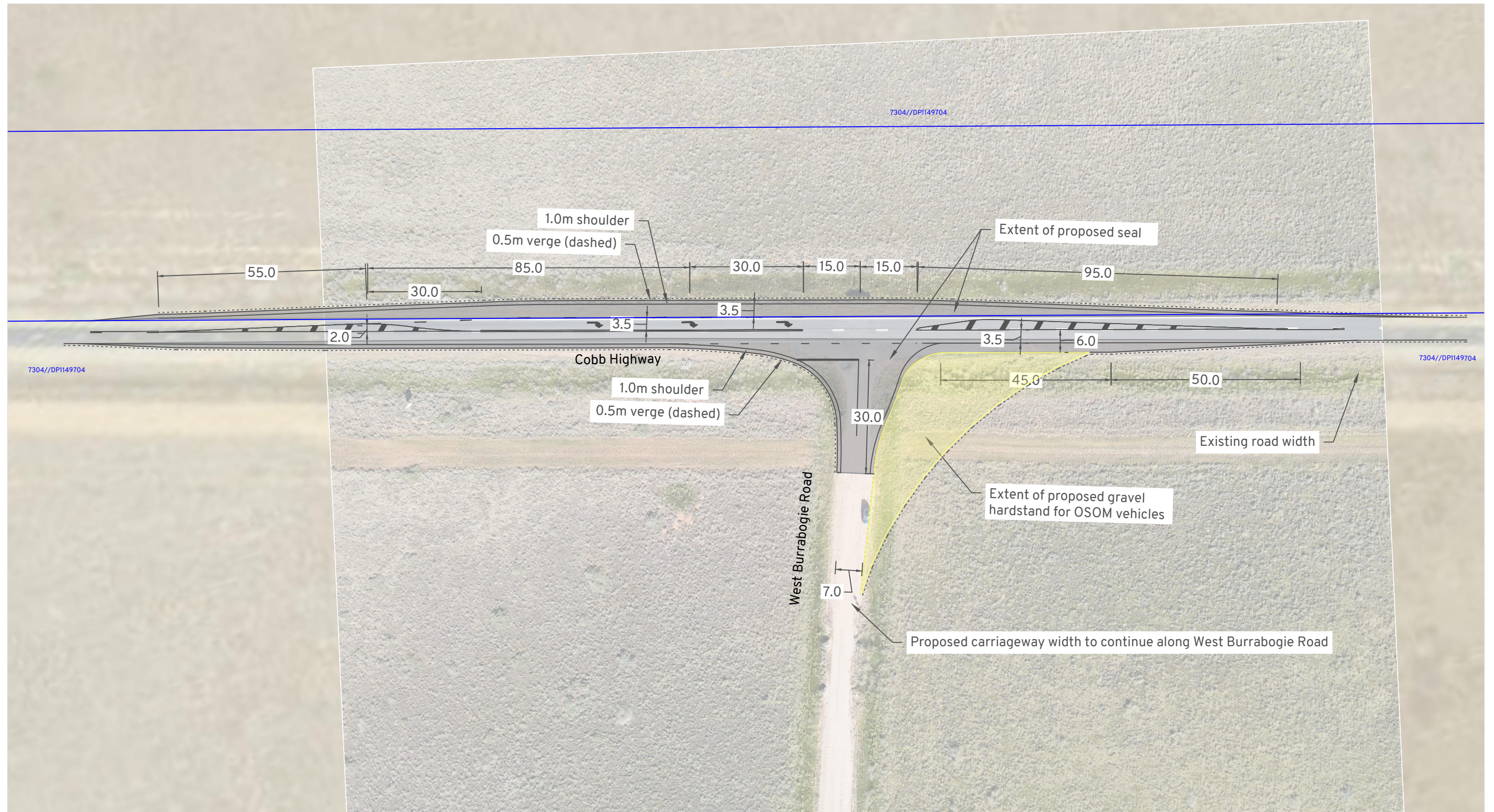
Extent of turbine blade swing path shown. Refer to Ares report for detailed OSOM vehicle swept paths.



Pottinger Wind Farm
Cobb Highway / Jerilderie Road
Strategic Design - CHL

DRAWN: OM
DATE: 28/11/2024
DWG NO: 768 F03E - WF
SCALE at A3: 1:1000





The following design details have been taken from Austroads Guide to Road Design Part 4A:

- Short Channelised Right-turn Treatment [CHR(s)] Section 7.2.3.
1. Design speed of 110km/h as per Section 5.2.1 of Austroads Guide.
 2. Lane widths: 3.5m Cobb Highway through lanes, 3.5m turn lane.
 3. Minimum lateral movement (A) is 95m.
 4. Desirable radius of 500m has been used.
 5. Taper length used is 30m.
 6. Storage length is 30m for one B-Double Vehicle.

- Rural Left-turn Treatment (BAL) - Part 4A Section 8.2.1.
1. Design speed of 120km/h.
 2. Through lane width is 3.5m.
 3. Formation/carriageway widening is 3.0m.
 4. Taper length calculates to 50m.
 5. Minimum length of parallel widened shoulder used from Table 8.1 is 45m.

Refer to Ares report for OSOM vehicle swept paths.

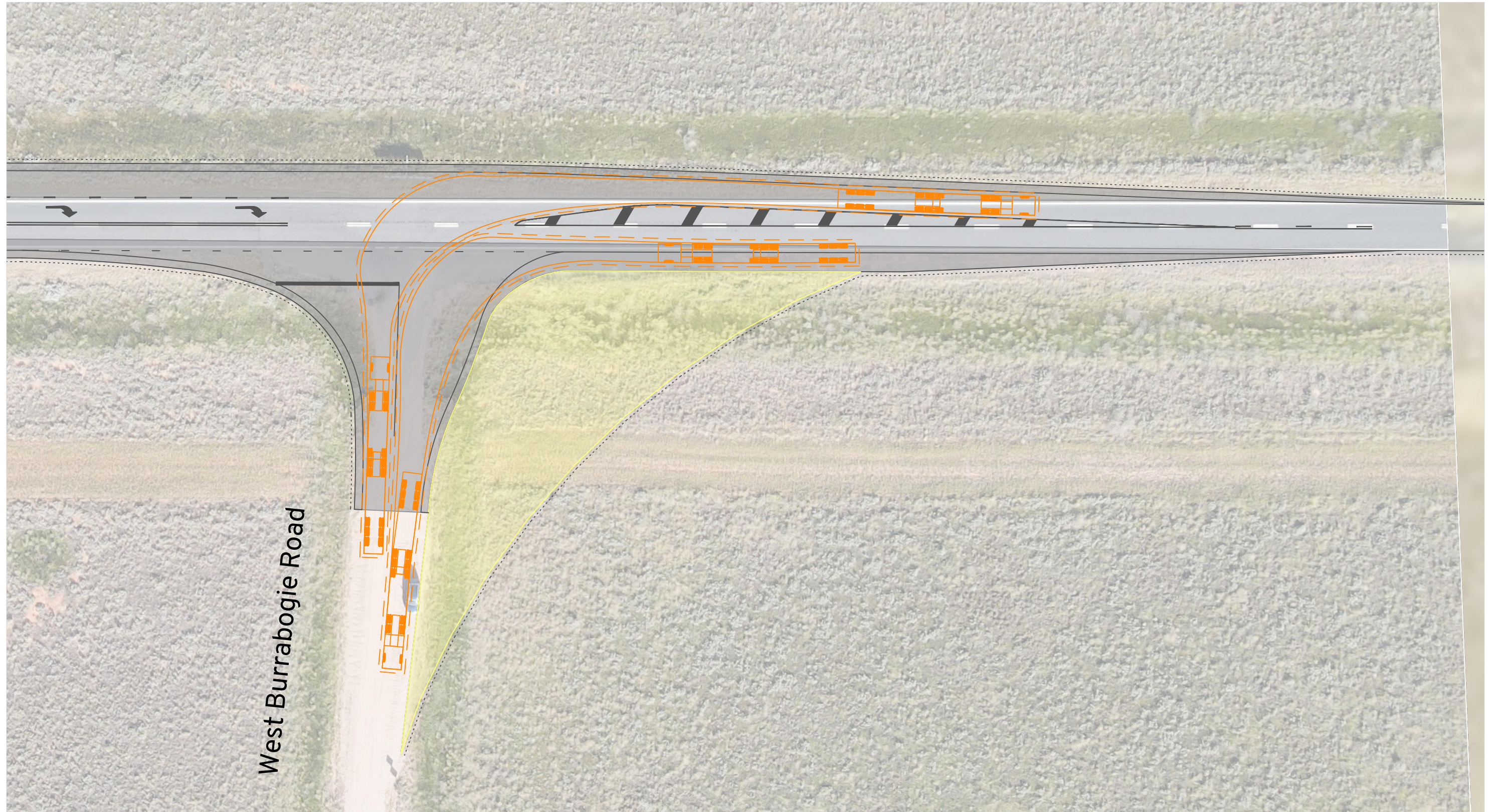


Pottinger Wind Farm

Cobb Highway / West Burrabogie Road

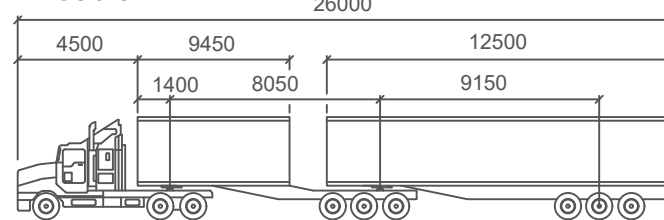
Strategic Design - CHR(S) and BAL

DRAWN: OM
DATE: 28/11/2024
DWG NO: 768 F03E - WF
SCALE at A3: 1:1000



Vehicle Envelope
500mm Clearance
Reverse Manoeuvre
Min. Design Speed 5km/h

26.0m B-Double



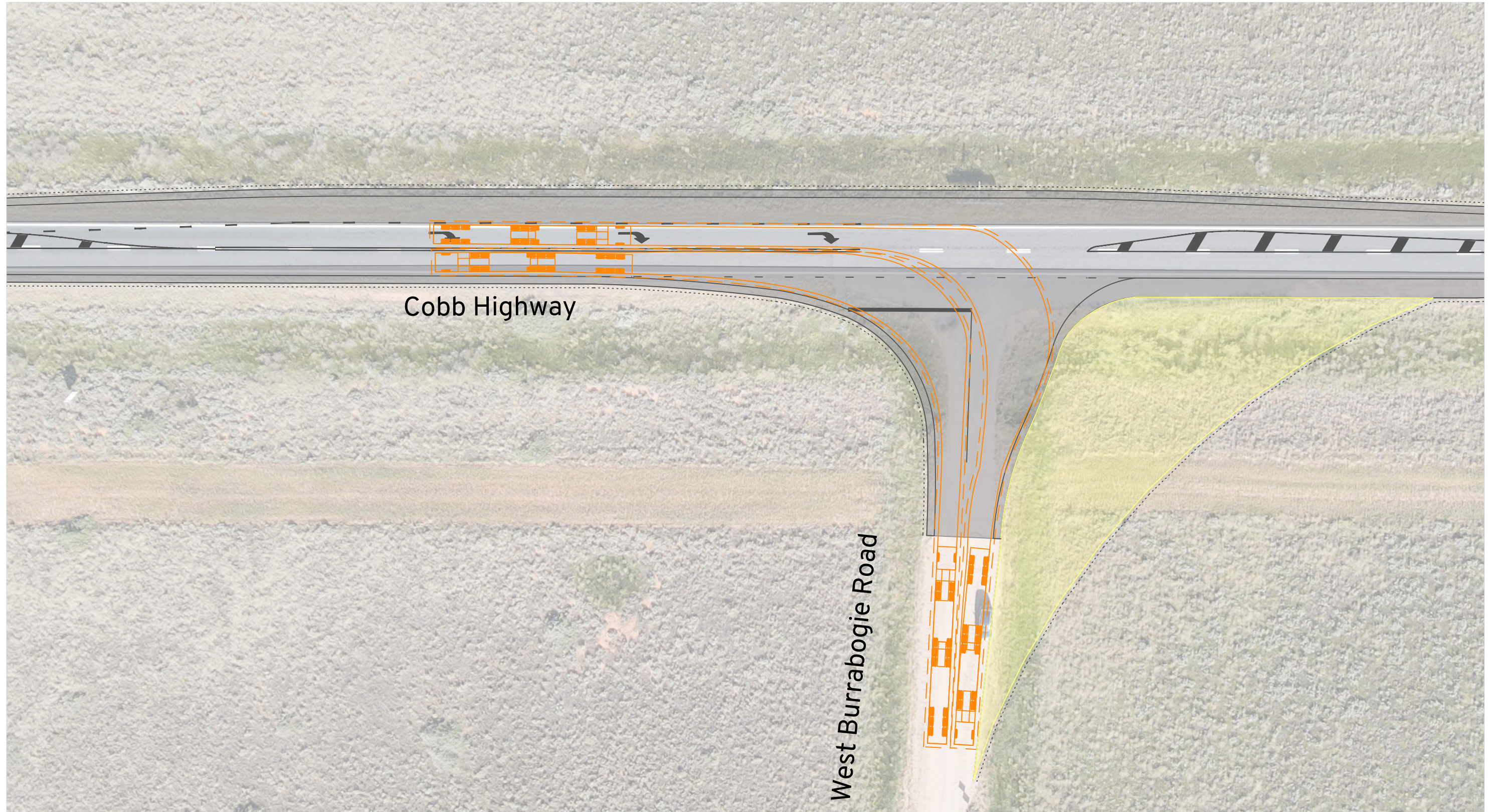
Tractor Width : 2500
Trailer Width : 2500
Tractor Track : 2500
Trailer Track : 2500
Lock to Lock : 6.0s
Steering Angle : 22.2
Articulating Angle : 70.0



Pottinger Wind Farm
Cobb Highway / West Burrabogie Road
Swept Path Assessment

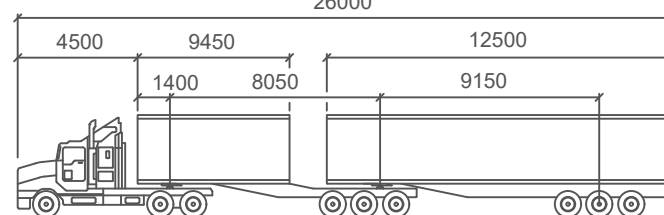
DRAWN: OM
DATE: 28/11/2024
DWG NO: 768 F03E - WF
SCALE at A3: 1:500

Amber S02-1



Vehicle Envelope
500mm Clearance
Reverse Manoeuvre
Min. Design Speed 5km/h

26.0m B-Double



Tractor Width	: 2500
Trailer Width	: 2500
Tractor Track	: 2500
Trailer Track	: 2500
Lock to Lock	: 6.0s
Steering Angle	: 22.2
Articulating Angle	: 70.0



Pottinger Wind Farm
Cobb Highway / West Burrabogie Road
Swept Path Assessment

DRAWN: OM
DATE: 28/11/2024
DWG NO: 768 F03E - WF
SCALE at A3: 1:500

Amber S02-2

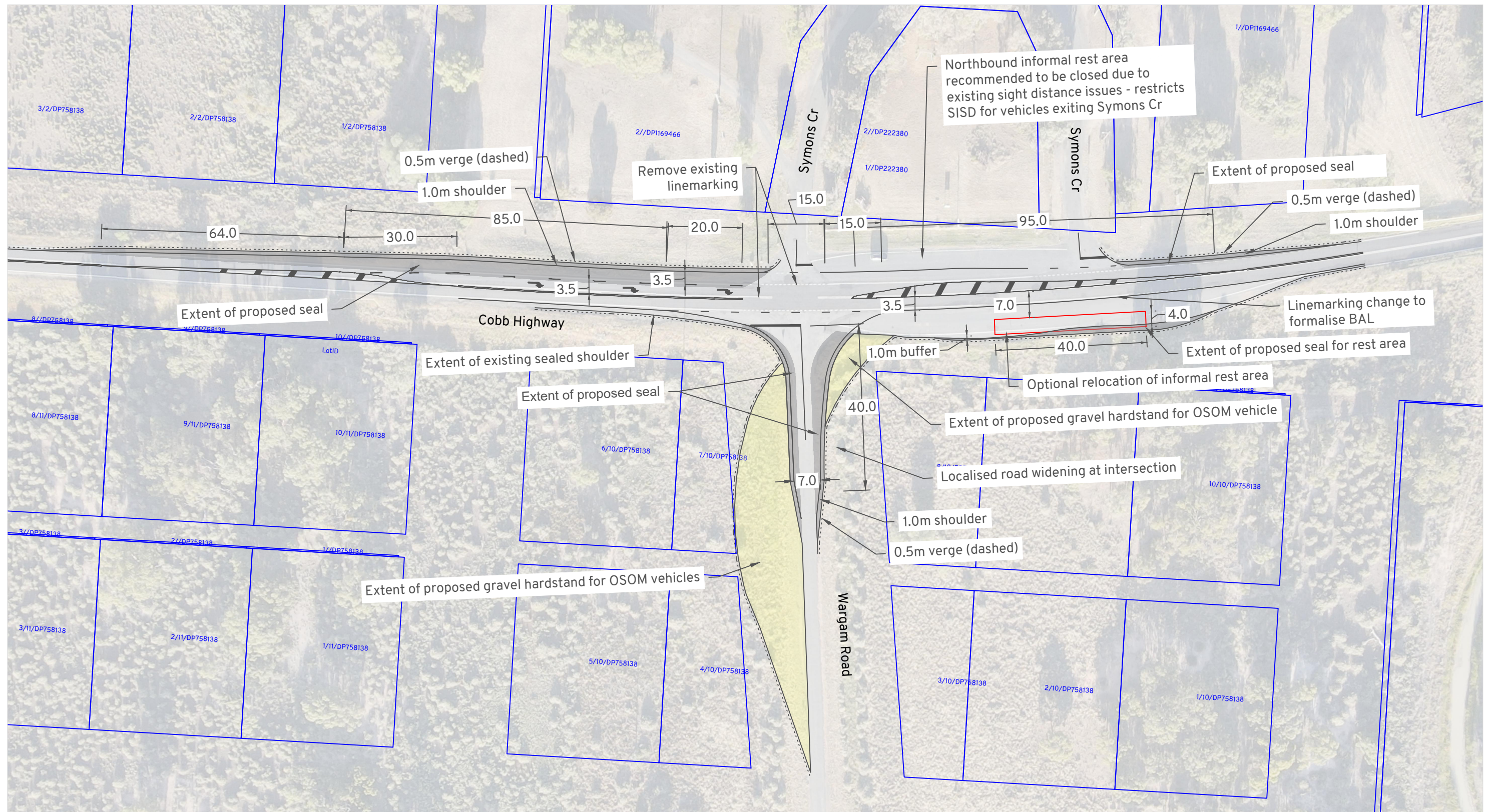


Extent of turbine blade swing path shown. Refer to Ares report for detailed OSOM vehicle swept paths.



Pottinger Wind Farm
Cobb Highway / West Burrabogie Road
Strategic Design - CHR(S) and BAL

DRAWN: OM
DATE: 28/11/2024
DWG NO: 768 F03E - WF
SCALE at A3: 1:1000



The following design details have been taken from Austroads Guide to Road Design Part 4A:

- Short Channelised Right-turn Treatment [CHR(s)] Section 7.2.3.
1. Design speed of 110km/h as per Section 5.2.1 of Austroads Guide.
 2. Lane widths: 3.0m Cobb Highway through lanes (existing), 3.0m turn lane.
 3. Minimum lateral movement (A) is 95m.
 4. Desirable radius of 500m has been used.
 5. Taper length used is 30m.
 6. Storage length is 20m for one semi-trailer.

Refer to Ares report for OSOM vehicle swept paths.



Pottinger Wind Farm

Cobb Highway / Wargam Road

Strategic Design - CHR(S)

DRAWN: OM
DATE: 28/11/2024
DWG NO: 768 F03E - WF
SCALE at A3: 1:1000

Amber D03

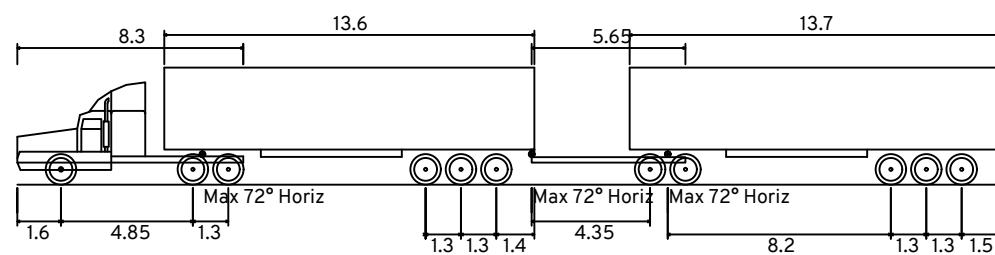


Vehicle Envelope

500mm Clearance

Reverse Manoeuvre

Min. Design Speed 5km/h



A-Double (36.2m)

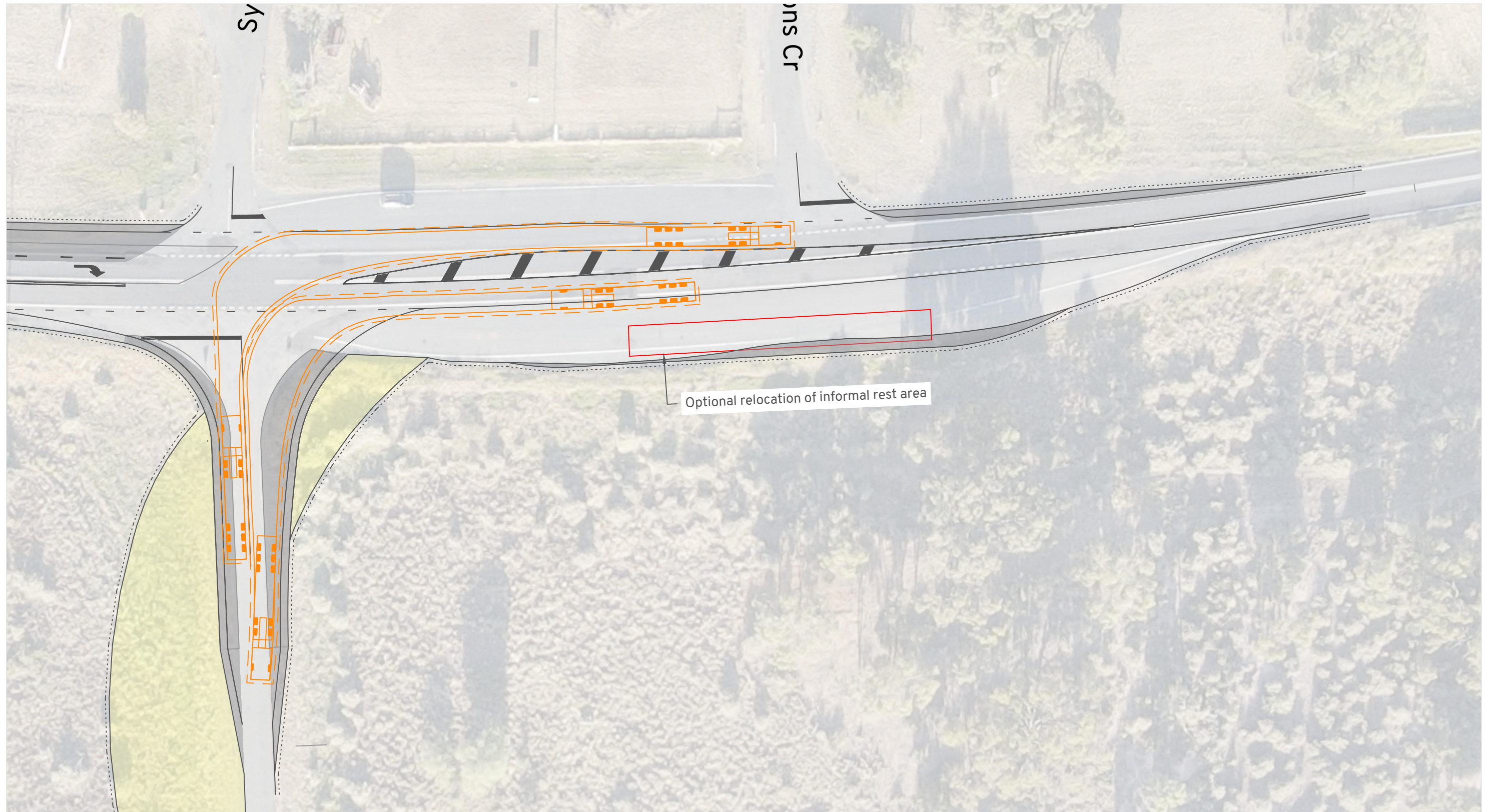
Overall Length
Overall Width
Overall Body Height
Min Body Ground Clearance
Track Width
Lock-to-lock time
Curb to Curb Turning Radius

36.200m
2.500m
4.300m
0.540m
2.500m
6.00s
15.000m



Pottinger Wind Farm
Cobb Highway / Wargam Road
Swept Path Assessment

DRAWN: OM
DATE: 28/11/2024
DWG NO: 768 F03E - WF
SCALE at A3: 1:500



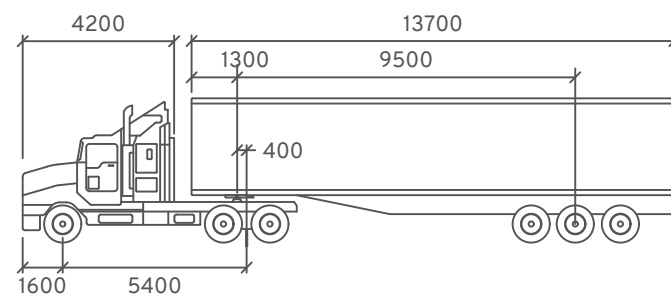
Vehicle Envelope

500mm Clearance

Reverse Manoeuvre

Min. Design Speed 5km/h

AV



	mm
Tractor Width	: 2500
Trailer Width	: 2500
Tractor Track	: 2500
Trailer Track	: 2500
Lock to Lock	: 6.0s
Steering Angle	: 28.3
Articulating Angle	: 70.0

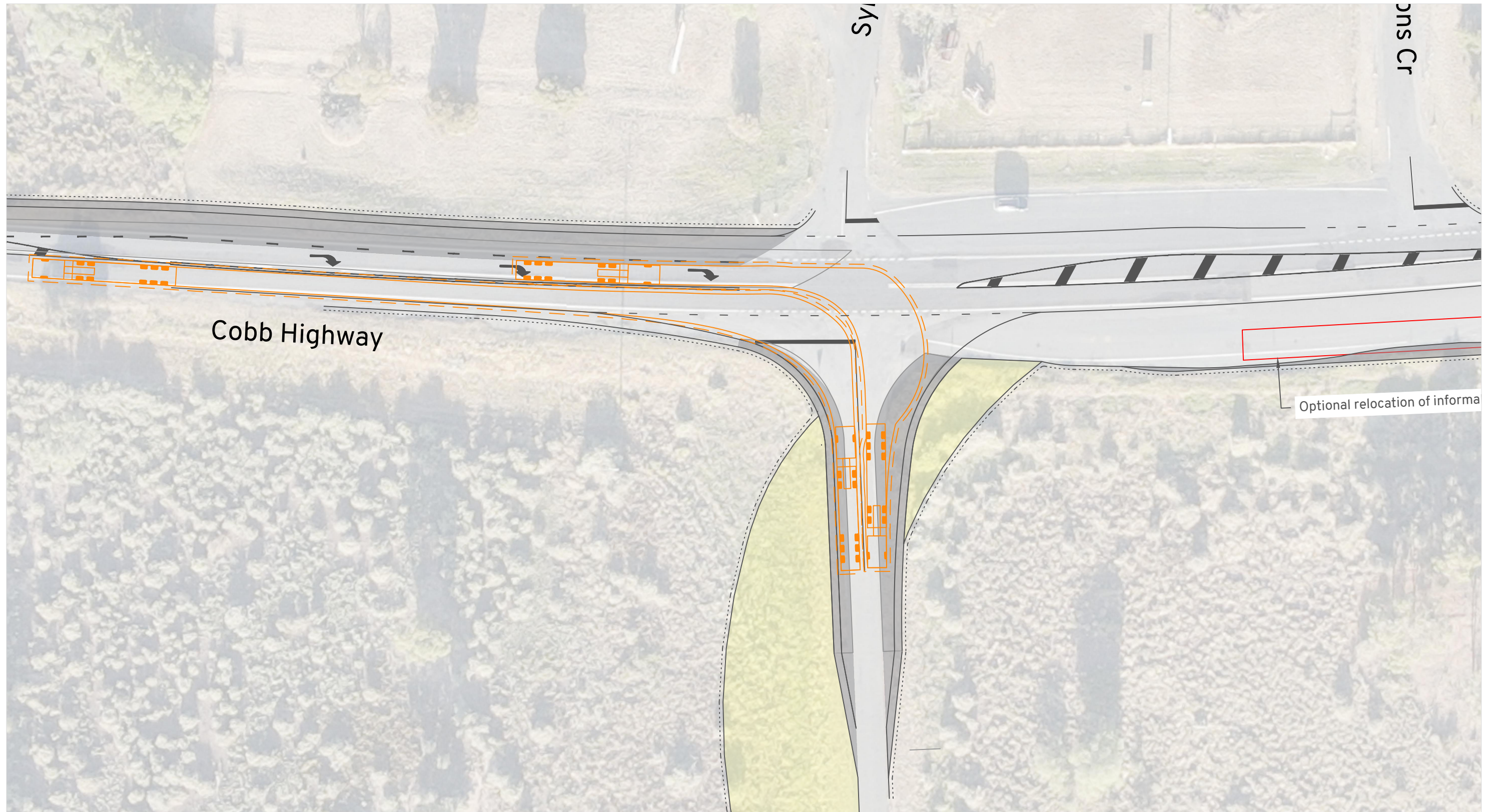


Pottinger Wind Farm

Cobb Highway / Wargam Road

Swept Path Assessment

DRAWN: OM
DATE: 28/11/2024
DWG NO: 768 F03E - WF
SCALE at A3: 1:500



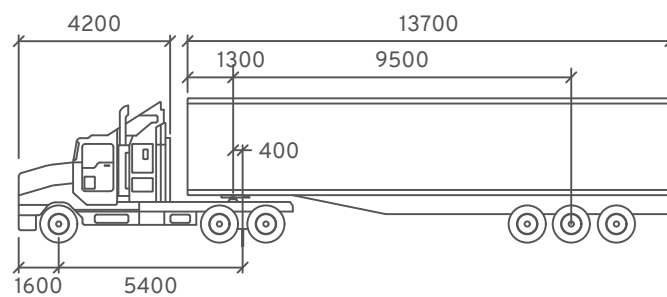
Vehicle Envelope

500mm Clearance

Reverse Manoeuvre

Min. Design Speed 5km/h

AV



	mm
Tractor Width	: 2500
Trailer Width	: 2500
Tractor Track	: 2500
Trailer Track	: 2500
Lock to Lock	: 6.0s
Steering Angle	: 28.3
Articulating Angle	: 70.0

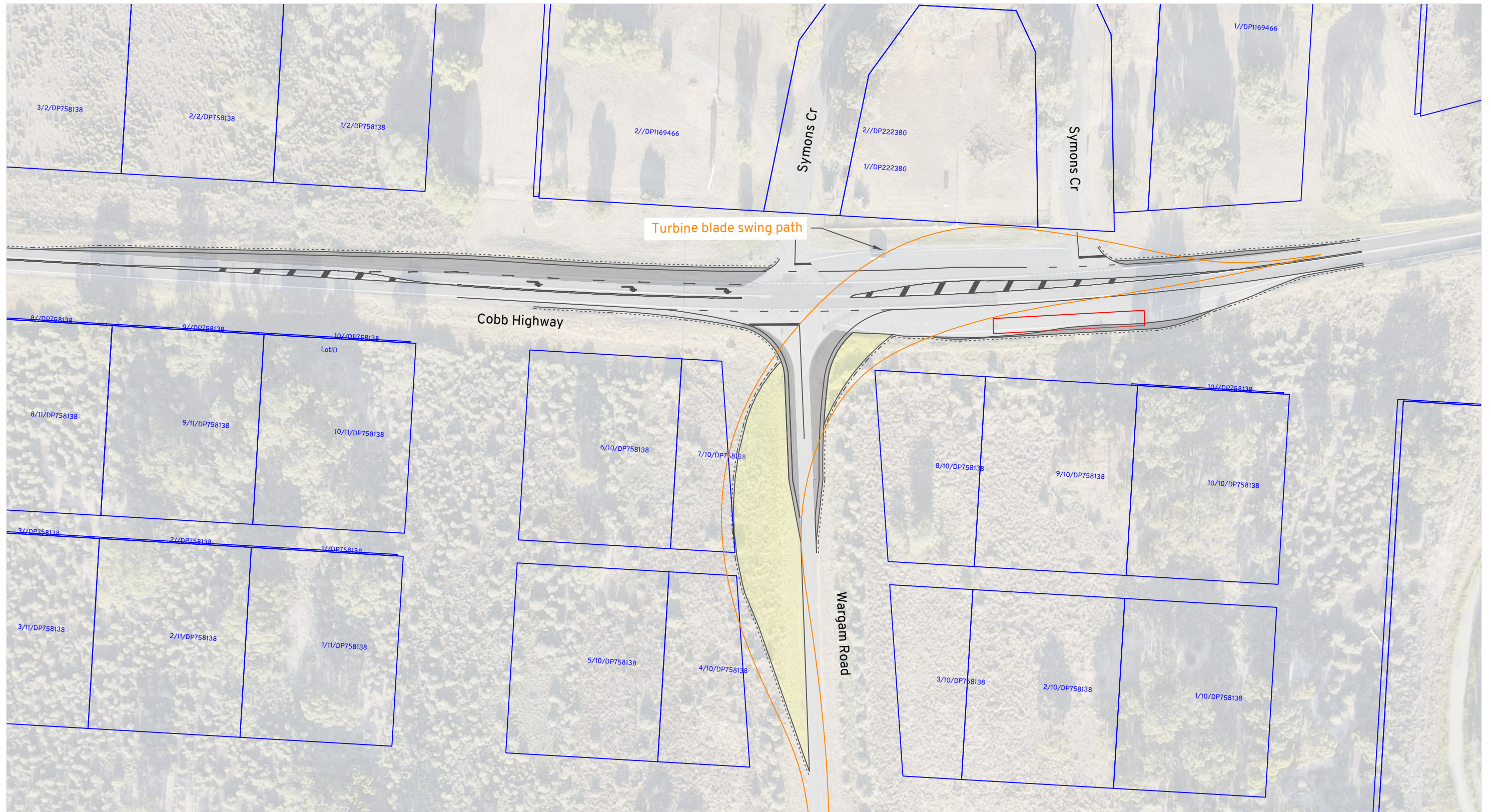


Pottinger Wind Farm

Cobb Highway / Wargam Road

Swept Path Assessment

DRAWN: OM
DATE: 28/11/2024
DWG NO: 768 F03E - WF
SCALE at A3: 1:500

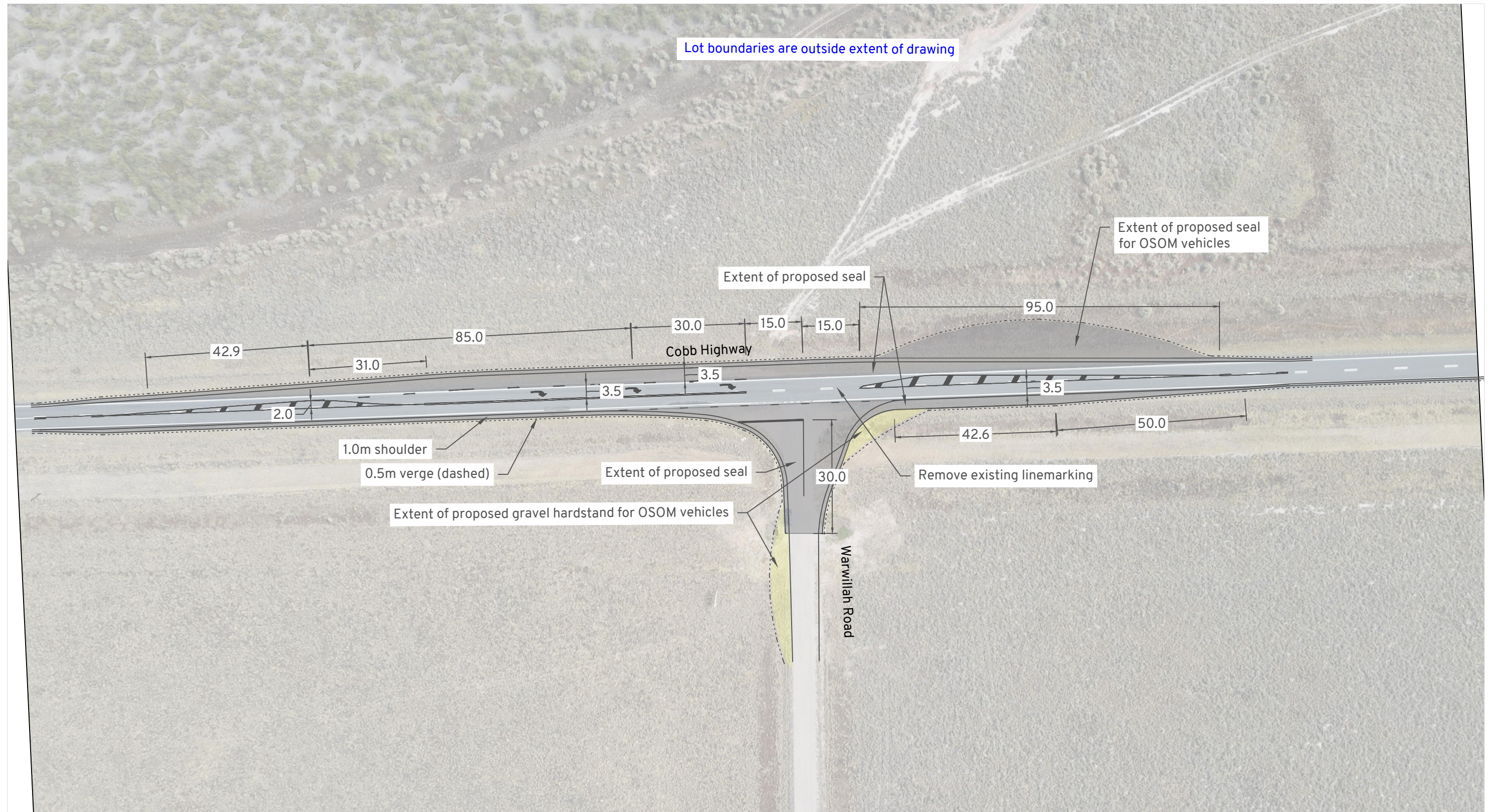


Extent of turbine blade swing path shown. Refer to Ares report for detailed OSOM vehicle swept paths.



Pottinger Wind Farm
Cobb Highway / Wargam Road
Strategic Design - CHR(S)

DRAWN: OM
DATE: 28/11/2024
DWG NO: 768 F03E - WF
SCALE at A3: 1:1000



The following design details have been taken from Austroads Guide to Road Design Part 4A:

- Short Channelised Right-turn Treatment [CHR(s)] - Section 7.2.3.
1. Design speed of 110km/h as per Section 5.2.1 of Austroads Guide.
 2. Lane widths: 3.5m Cobb Highway through lanes, 3.5m turn lane.
 3. Minimum lateral movement (A) is 95m.
 4. Desirable radius of 500m has been used.
 5. Taper length used is 30m.
 6. Storage length is 30m for one B-Double Vehicle.

- Rural Left-turn Treatment (BAL) - Section 8.2.1.
1. Design speed of 120km/h.
 2. Lane widths of 3.5m have been used.
 3. Formation/carriageway widening is 3.0m.
 4. Taper length calculates to 50m.
 5. Minimum length of parallel widened shoulder used from Table 8.1 is 45m.

Refer to Ares report for OSOM vehicle swept paths.

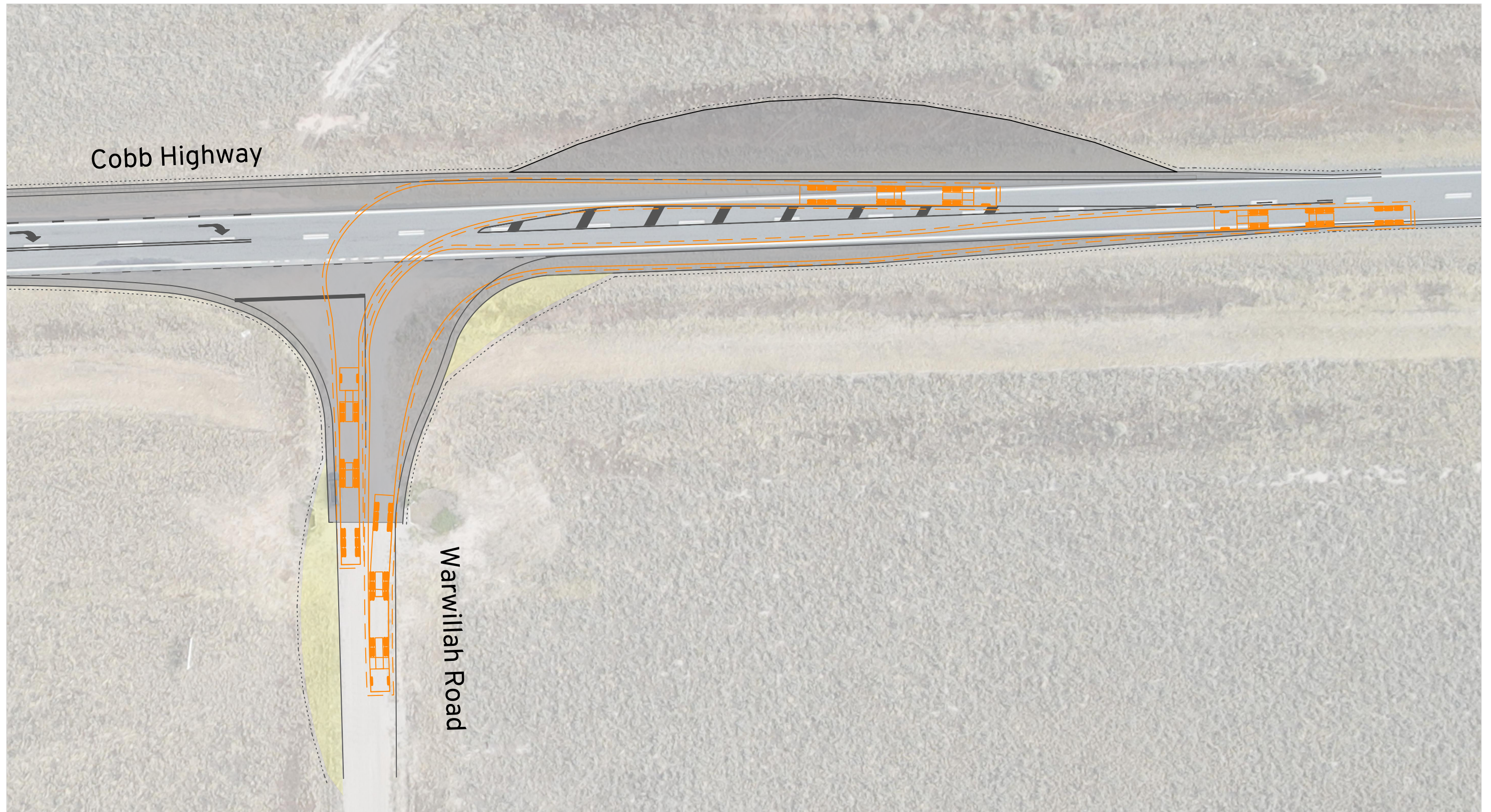


Pottinger Wind Farm

Cobb Highway / Warwillah Road

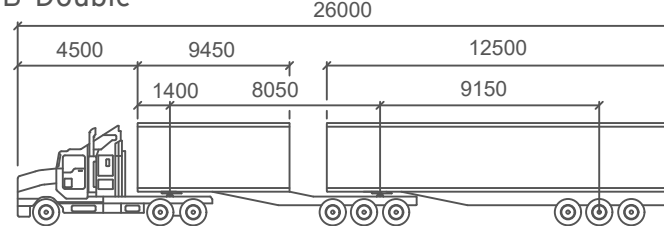
Strategic Design - CHR(S) and BAL

DRAWN: OM
DATE: 28/11/2024
DWG NO: 768 F03E - WF
SCALE at A3: 1:1000



Vehicle Envelope
 500mm Clearance
 Reverse Manoeuvure
 Min. Design Speed 5km/h

26.0m B-Double



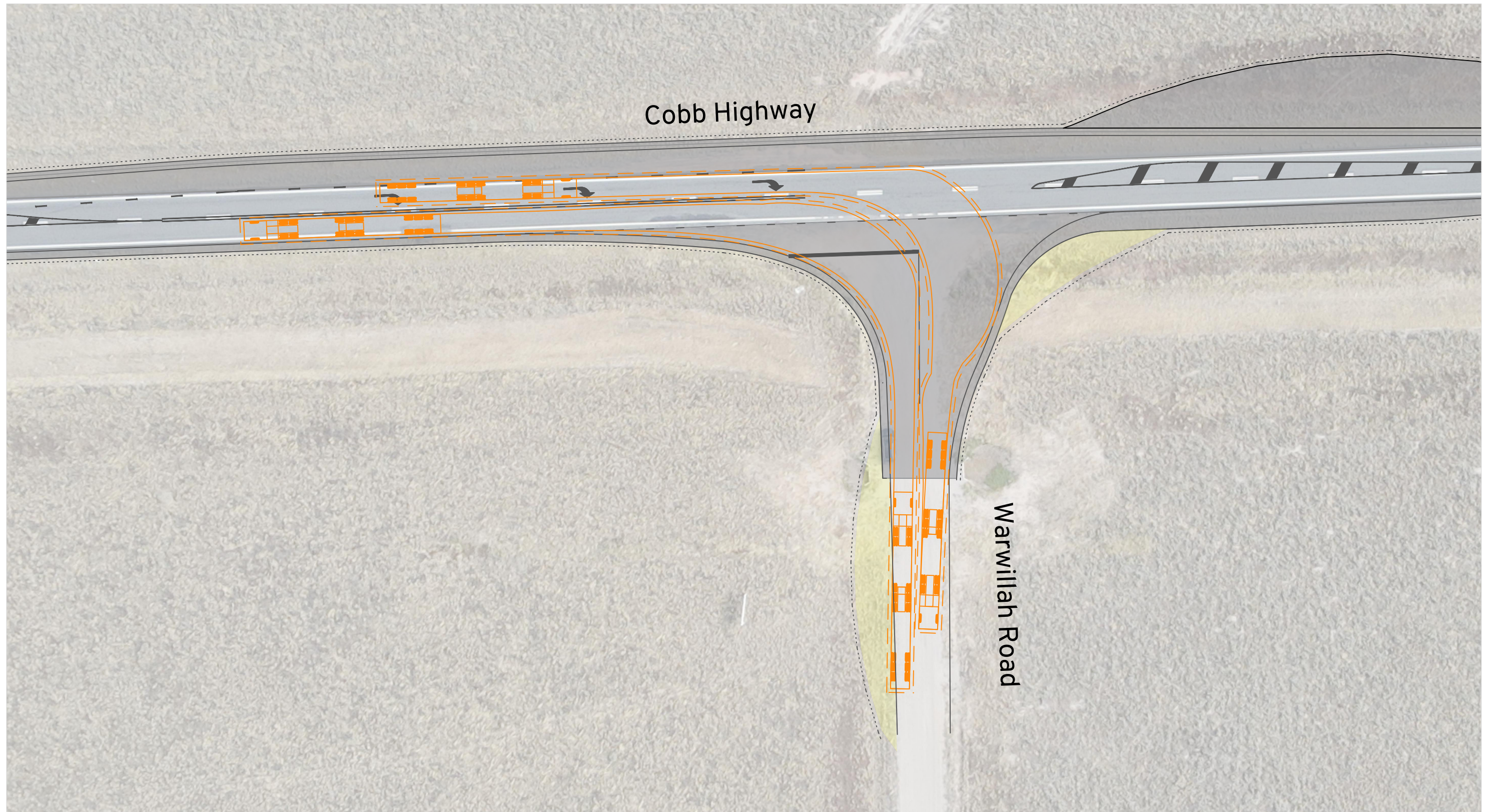
Tractor Width : 2500
 Trailer Width : 2500
 Tractor Track : 2500
 Trailer Track : 2500
 Lock to Lock : 6.0s
 Steering Angle : 22.2
 Articulating Angle : 70.0



Pottinger Wind Farm
 Cobb Highway / Warwillah Road
 Strategic Design - CHR(S) and BAL

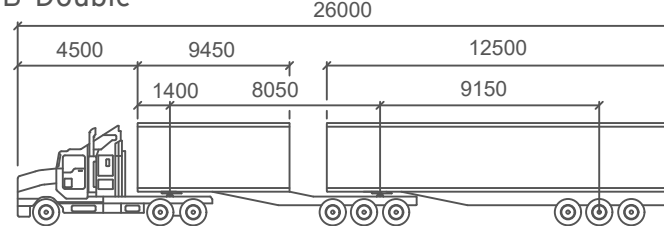
DRAWN: OM
 DATE: 28/11/2024
 DWG NO: 768 F03E - WF
 SCALE at A3: 1:500

Amber S04-1



Vehicle Envelope
 500mm Clearance
 Reverse Manoeuvre
 Min. Design Speed 5km/h

26.0m B-Double



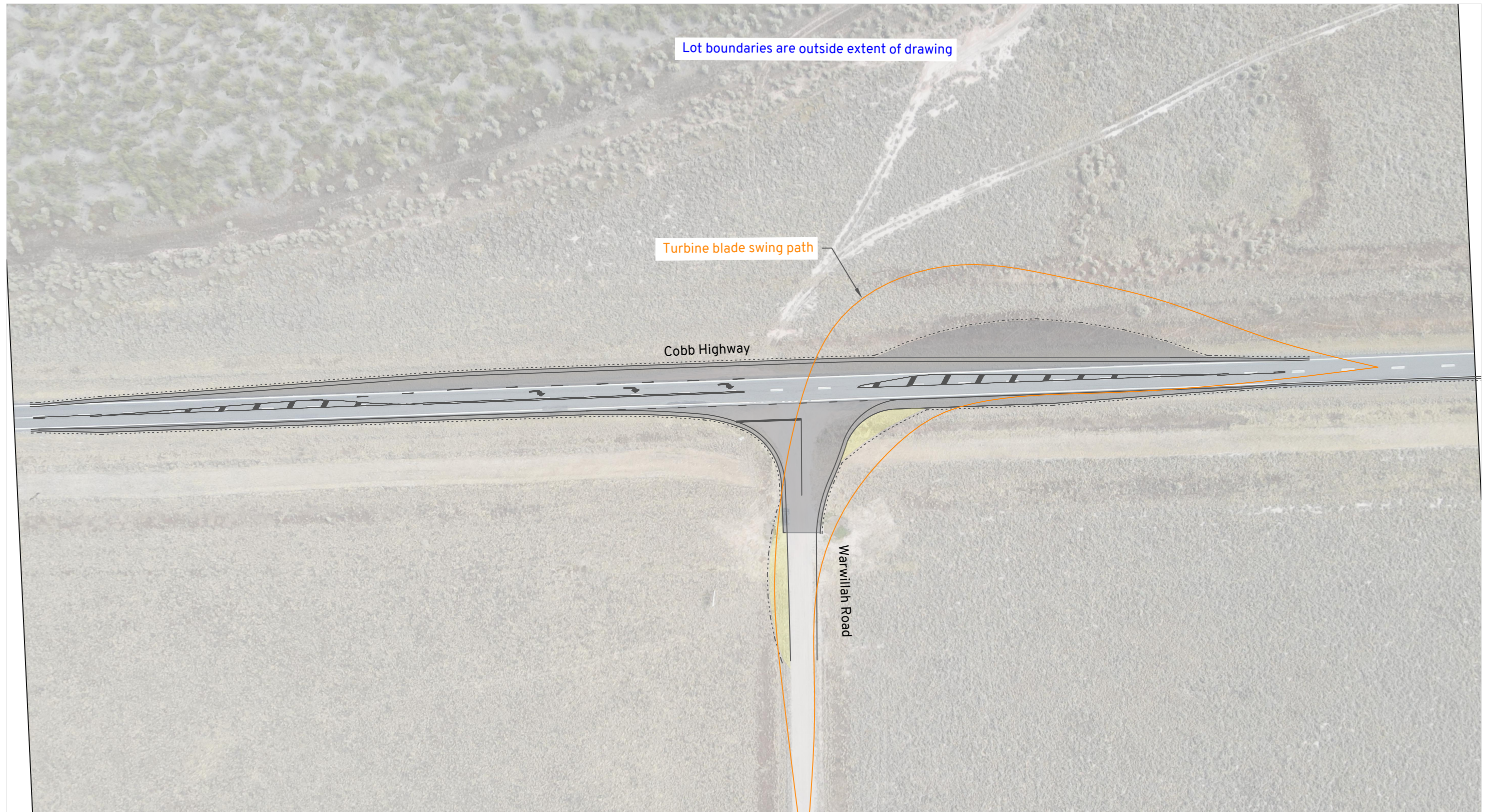
mm
 Tractor Width : 2500
 Trailer Width : 2500
 Tractor Track : 2500
 Trailer Track : 2500
 Lock to Lock : 6.0s
 Steering Angle : 22.2
 Articulating Angle : 70.0



Pottinger Wind Farm
 Cobb Highway / Warwillah Road
 Strategic Design - CHR(S) and BAL

DRAWN: OM
 DATE: 28/11/2024
 DWG NO: 768 F03E - WF
 SCALE at A3: 1:1000

Amber S04-2



Extent of turbine blade swing path shown. Refer to Ares report for detailed OSOM vehicle swept paths.



Pottinger Wind Farm
Cobb Highway / Warwillah Road
Strategic Design - CHR(S) and BAL

DRAWN: OM
DATE: 28/11/2024
DWG NO: 768 F03E - WF
SCALE at A3: 1:1000