

EIS Volume 2 Appendix D

Preliminary Plans of the Proposed Route



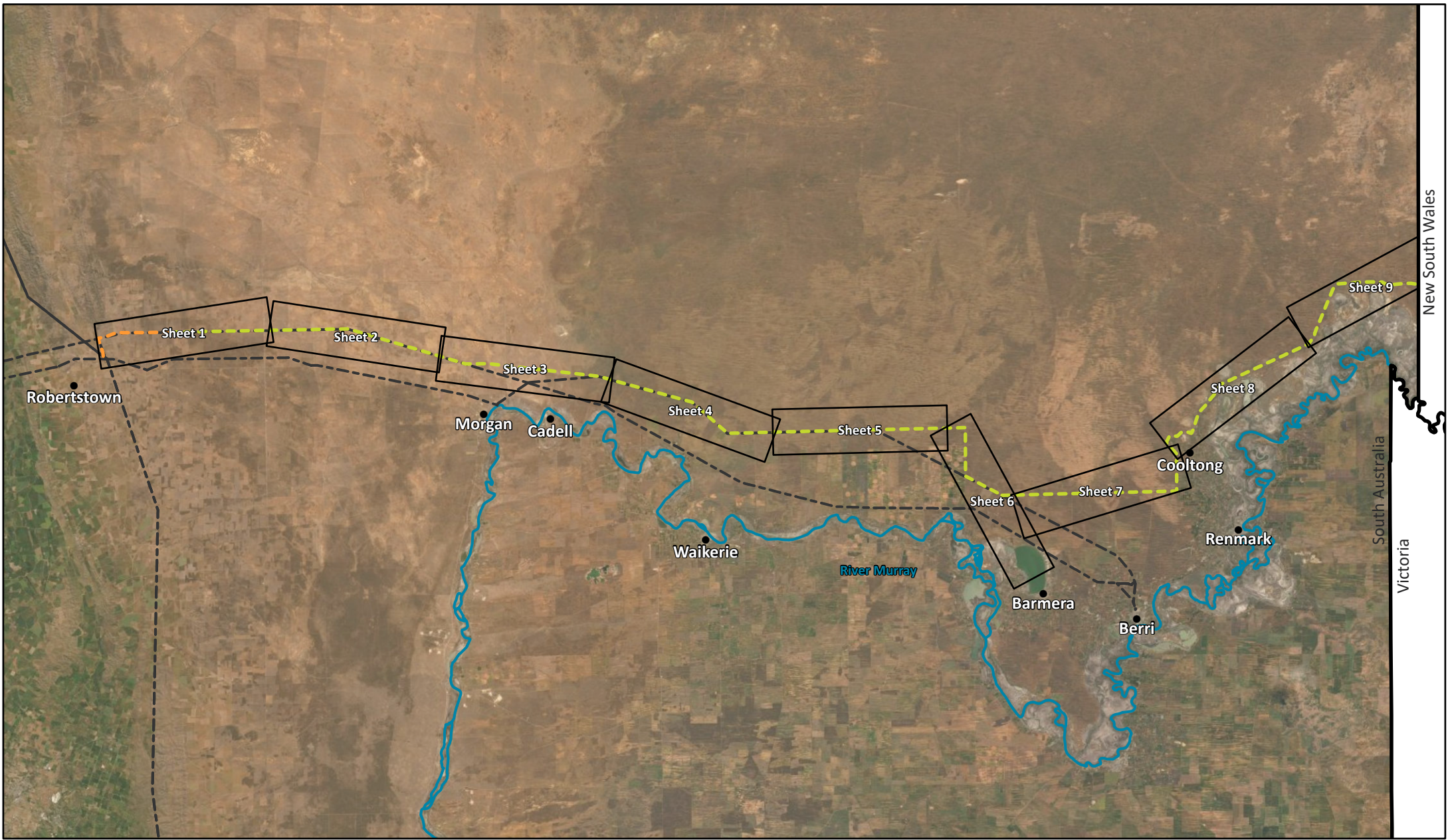
Appendix D Preliminary Plans - Proposed Route



EIS Guidelines

The EIS Guidelines require a number of plans and forms for the proposed Project infrastructure to be provided as part of the EIS. Given the iterative nature of the Project design process, only preliminary plans are available at this stage of the development. Detailed engineering design, final results of geotechnical investigations, micro-siting surveys (ecology and cultural heritage), final landholder agreements and requirements will all inform the final location and built form of the proposed infrastructure. Table 1 below provides a summary of the general Guideline requirement applicable to the proposed route.

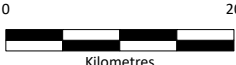




Table 1: Summary of EIS Guideline requirements and status of appended proposed route plans

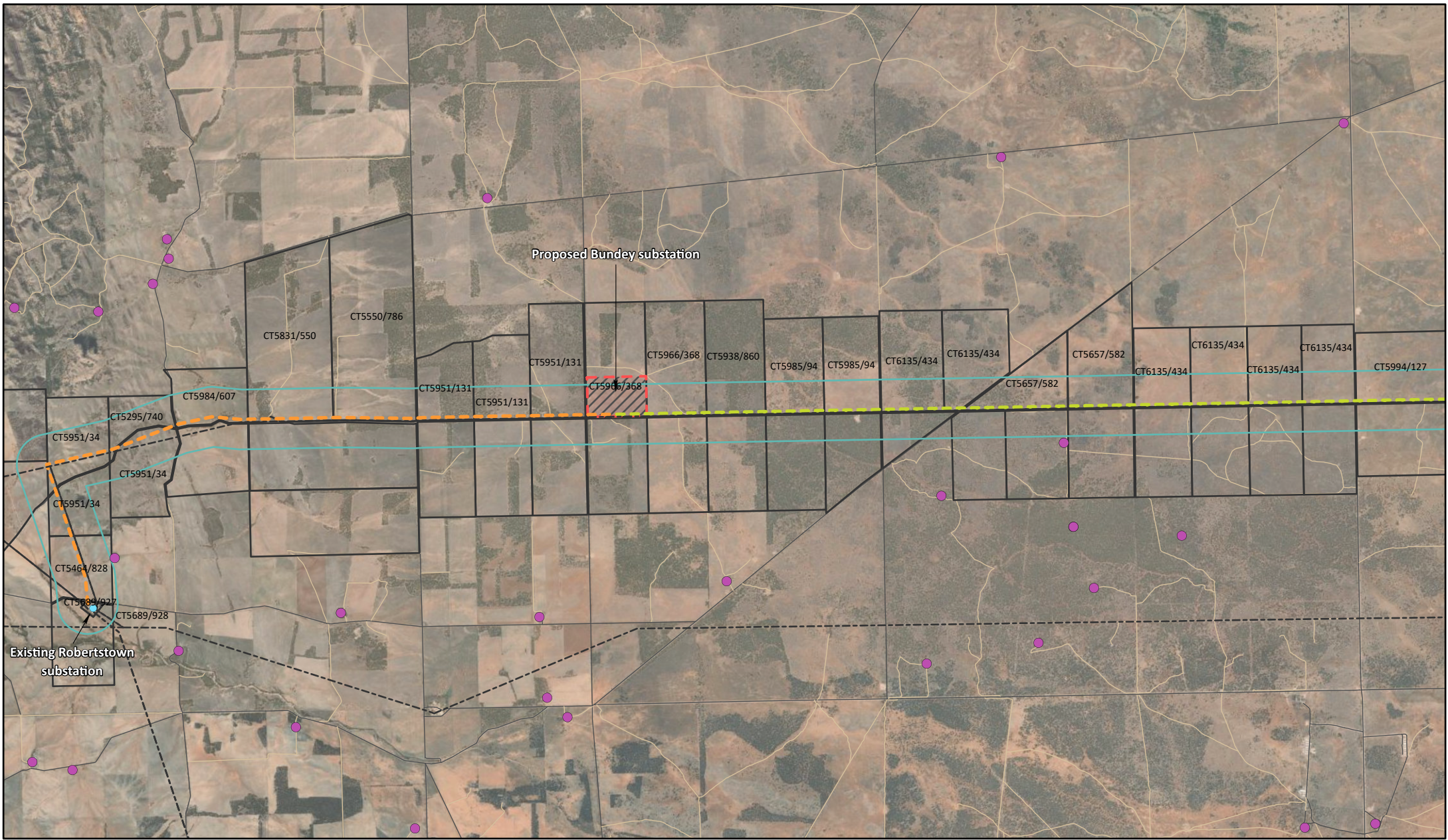
EIS Guidelines and Assessment Requirements	Current status
<ul style="list-style-type: none"> • Context and locality plans should illustrate and analyse the existing environment and site conditions and the relationship of the proposal to surrounding land and buildings. The plan should be drawn to a large scale and be readily legible. The plan(s) should indicate: <ul style="list-style-type: none"> - any neighbouring buildings, infrastructure or facilities, including identification of all nearest sensitive receptors and the likely use of existing or proposed neighbouring buildings (e.g. dwelling, farm outbuildings, shop, office) - location of any watercourse, dams, underground wells and/or any other environmentally sensitive areas - location of any state heritage and cultural heritage in relation to the site - existing native vegetation, regulated or significant trees - known sites for protected, threatened or vulnerable species, including migratory species, on the site, the adjoining land and riverine environment - existing roads and access tracks (public & private) - any other information that would help to set the context for the locality • Site plan(s) (drawn at a scale of 1:100 or 1:200) clearly indicating all proposed buildings, structures and works. • Elevations (drawn at a scale of 1:100 or 1:200) showing all sides of the buildings, structures and works with levels and height dimensions provided in Australian Height Datum. • Cross sections of the buildings, structures and works, including stockpile and storage facilities showing ground levels, floor levels, ceiling heights and maximum height in Australian Height Datum. • Route survey plan that shows indicative easement corridor and the location of towers within easement. • Any technical or engineering drawings and specifications including geotechnical data, details of cut and fill and depth to groundwater. 	<ul style="list-style-type: none"> • Context and locality plans – locality plans are included throughout Chapters 9 – 19 of Volume One of the EIS, including the current baseline environment in relation to the proposed route. • Site plan(s) – preliminary site plans of the proposed Bunday Substation and repeater station are included in Appendix E. • Elevations and cross sections of buildings – Refer to Appendix E. Final designs are subject to detailed design and construction planning. • Route survey plan – preliminary route selection plans are included in this Appendix. Final designs are subject to detailed design and construction planning. • Any technical or engineering drawings and specifications – Refer to Chapter 7 Project Description



	Preliminary route plan extent
	Proposed alignment - 275 kV
	Proposed alignment - 330 kV
	Existing ElectraNet transmission line
	River Murray

Cover Sheet
Preliminary route plans

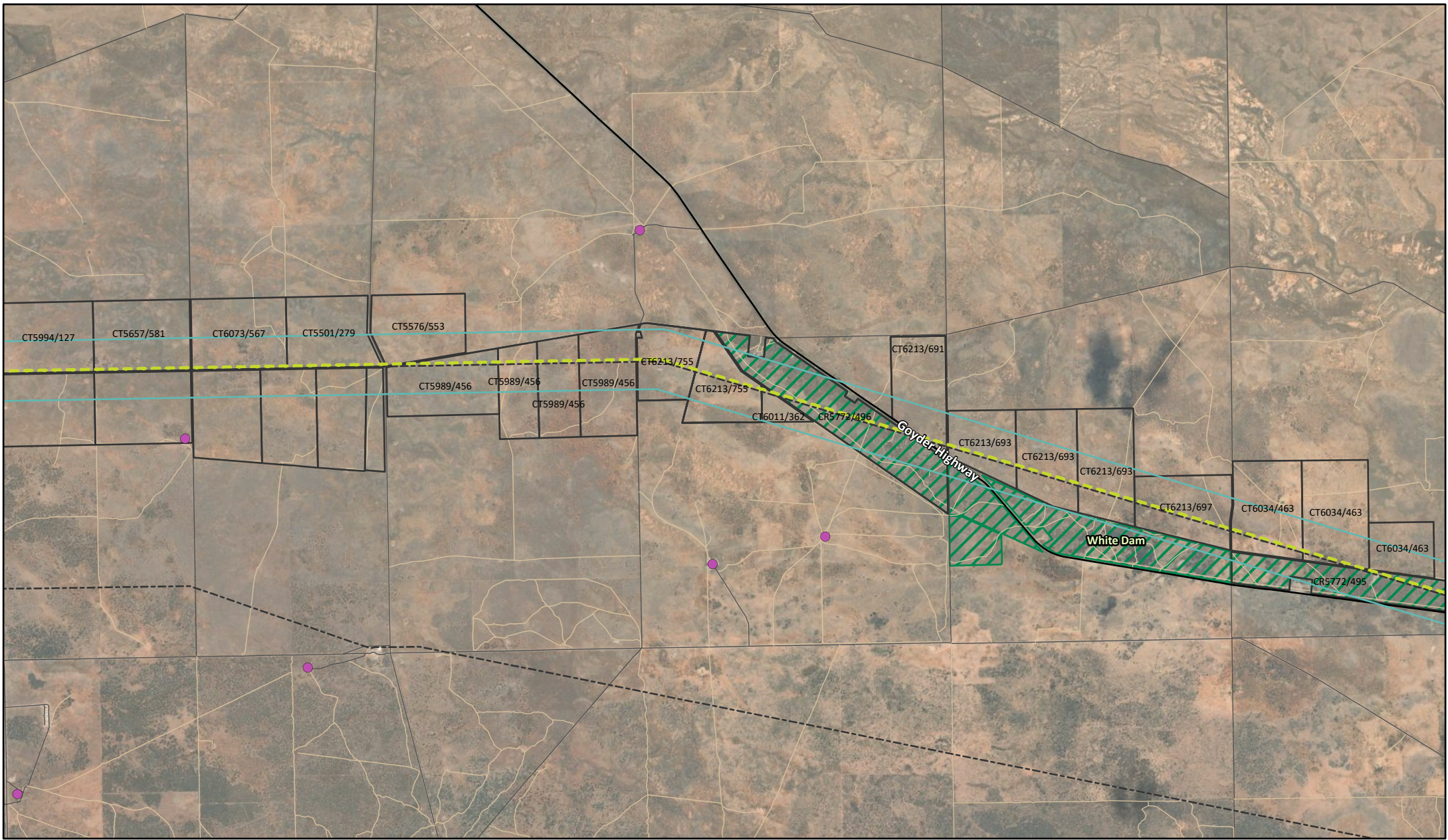
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





Transmission line corridor	Road
Proposed Bunday substation site	Tracks
Cadastre	Existing ElectraNet transmission line
Proposed alignment	Potential social receptor
Proposed alignment - 275 kV	Existing Robertstown substation
Proposed alignment - 330 kV	

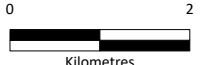
Sheet 1
Preliminary route plans

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 Transmission line corridor	 Main road
 Cadastre	 Road
 Conservation parks and reserves	 Tracks
 Proposed alignment	 Existing ElectraNet transmission line
 Proposed alignment - 330 kV	 Potential social receptor




Sheet 2
Preliminary route plans

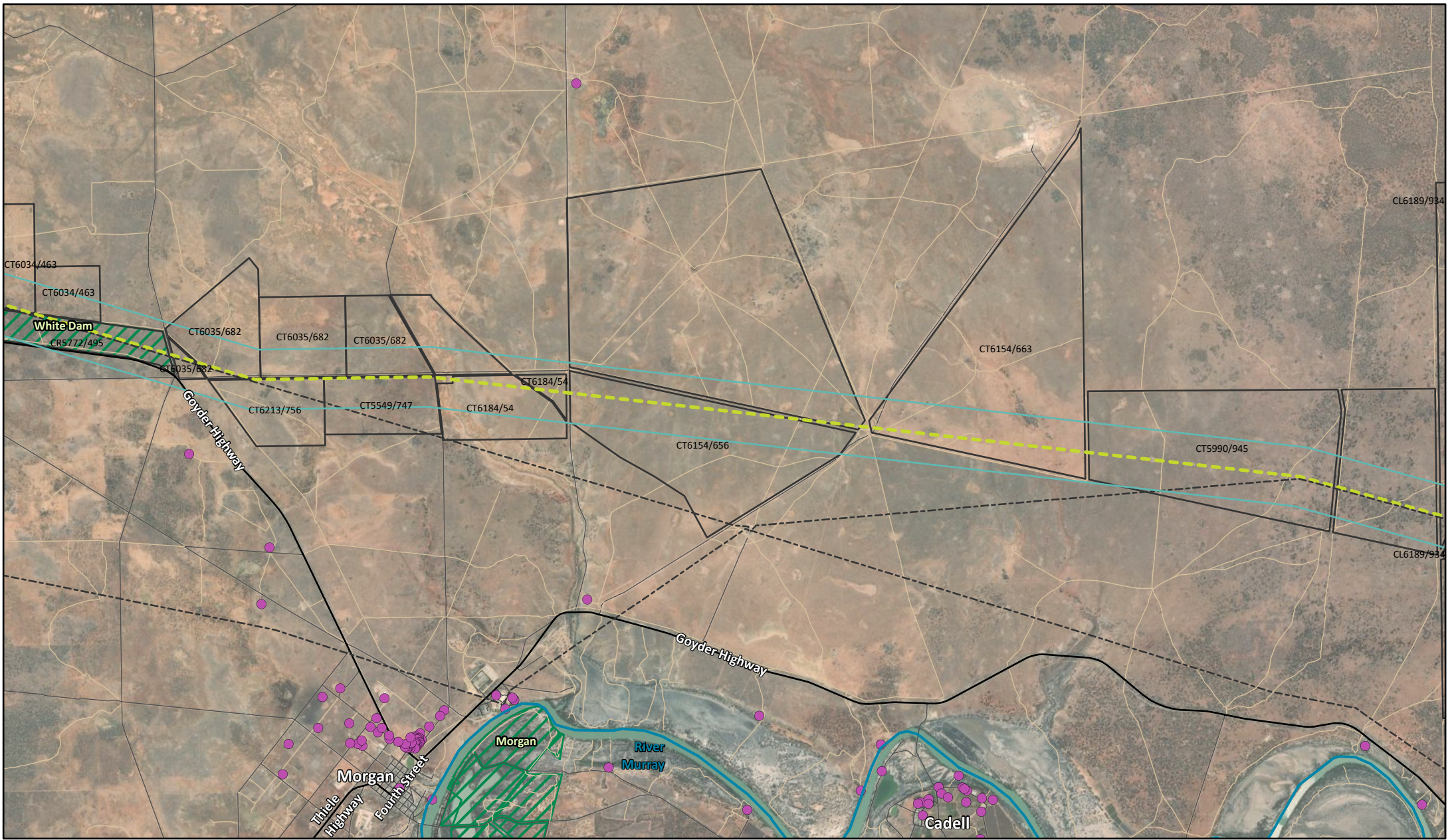


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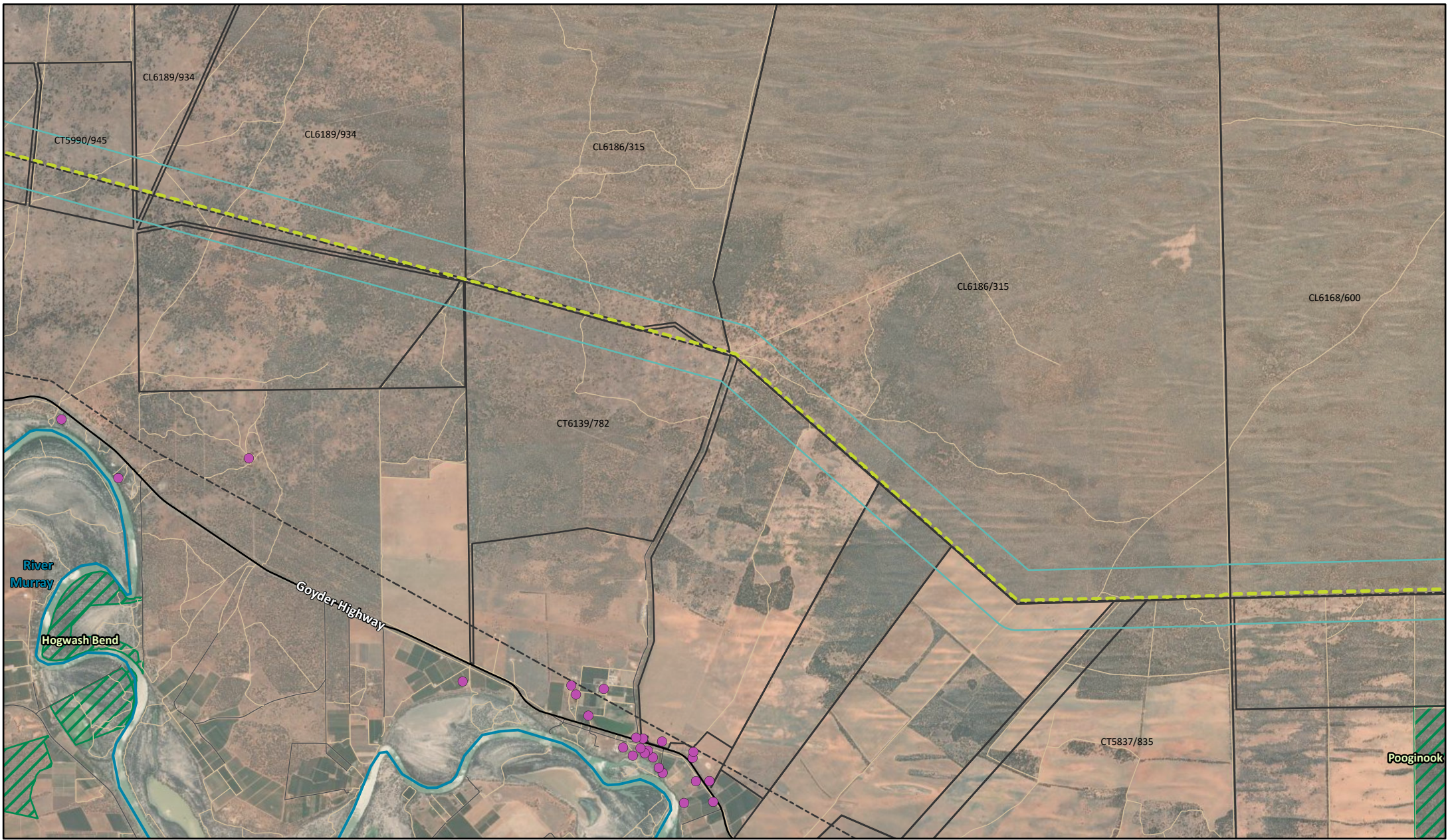


Transmission line corridor	Main road
Cadastre	Road
Conservation parks and reserves	Tracks
Proposed alignment	Existing ElectraNet transmission line
Proposed alignment - 330 kV	Potential social receptor

Sheet 3
Preliminary route plans

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Kilometres

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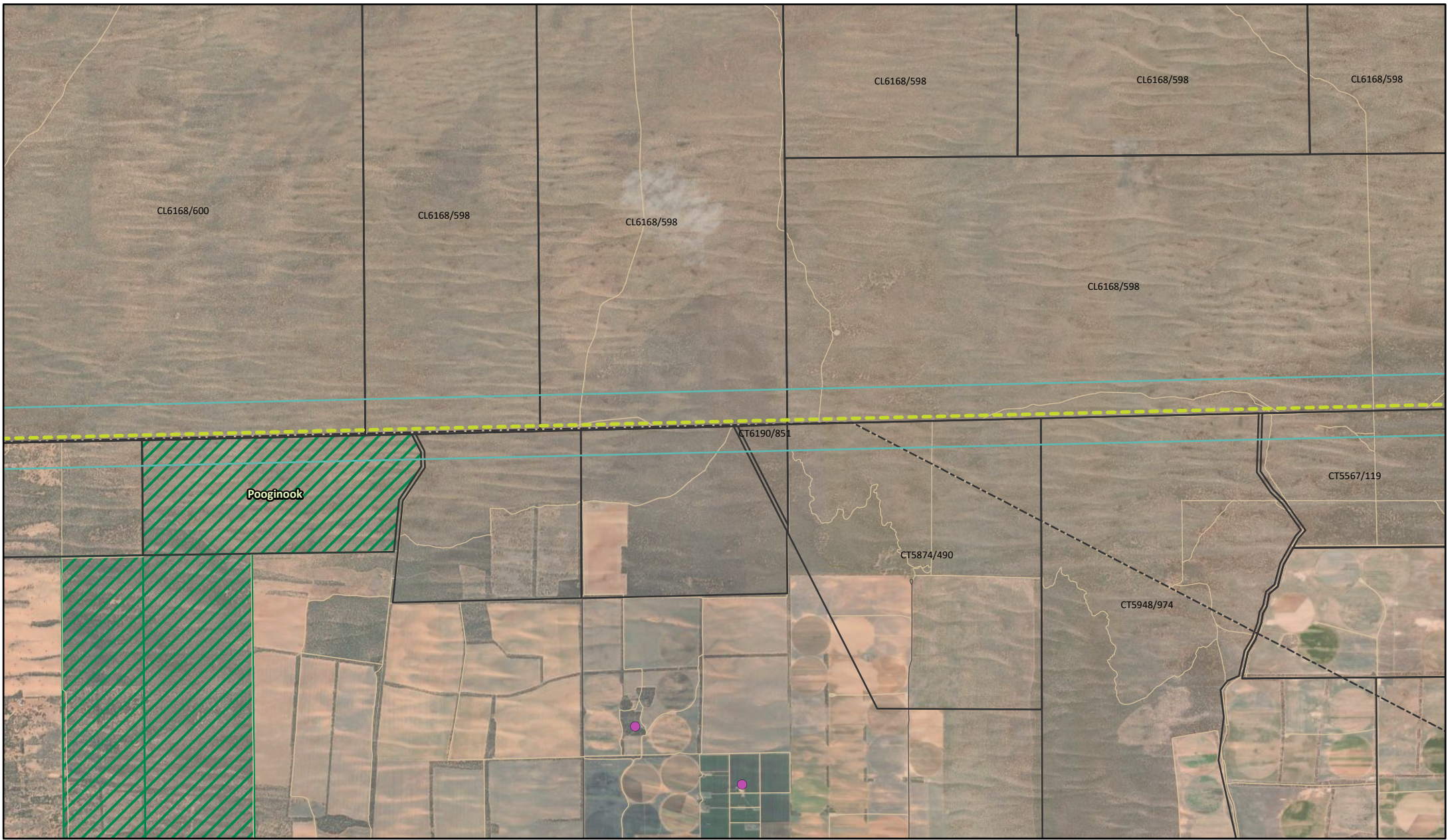











Transmission line corridor	Main road
Cadastre	Road
Proposed alignment	Tracks
Proposed alignment - 330 kV	Existing ElectraNet transmission line
	Potential social receptor

Sheet 4
Preliminary route plans

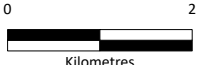




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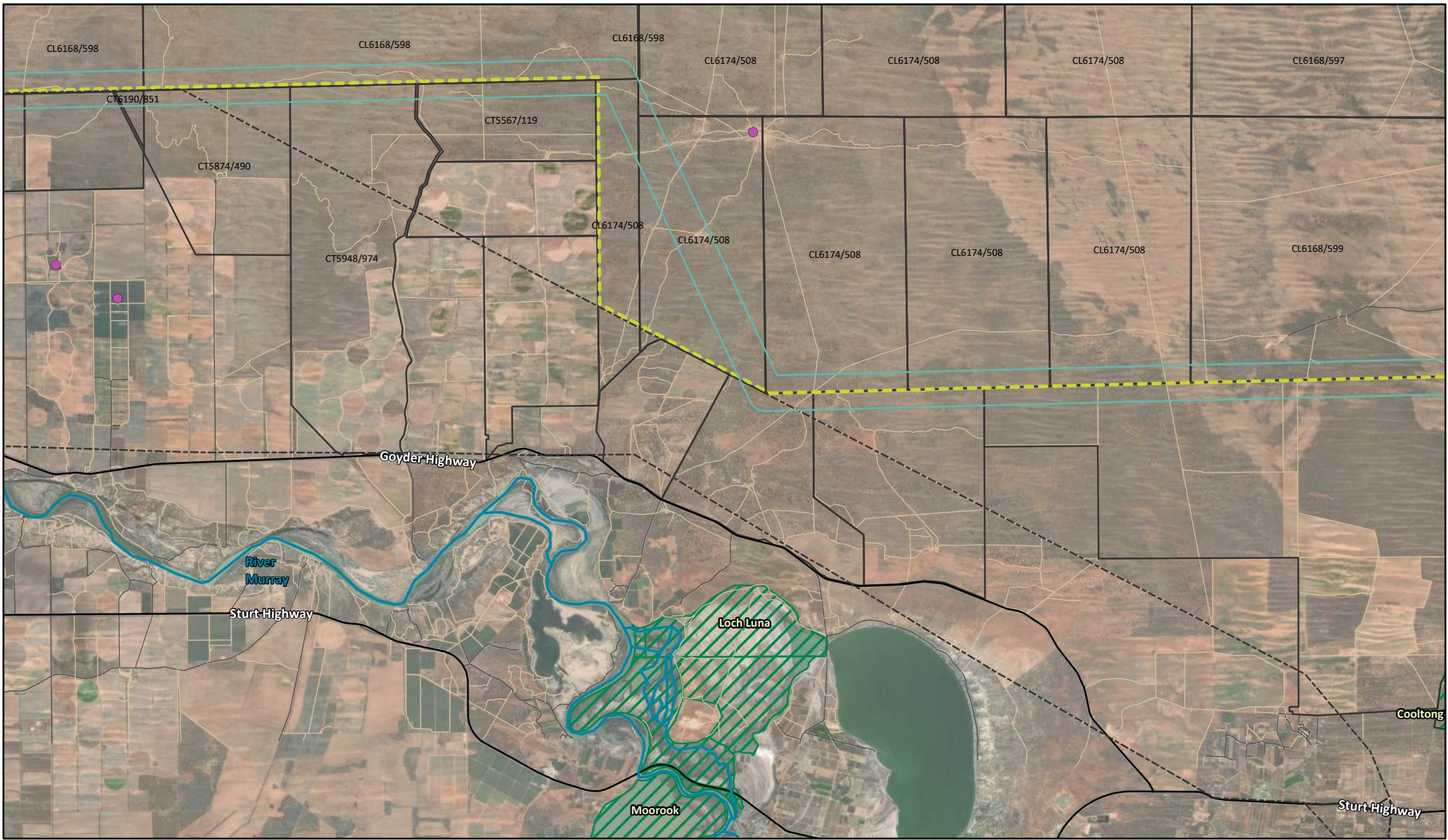
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





 Transmission line corridor	 Road
 Cadastre	 Tracks
 Conservation parks and reserves	 Existing ElectraNet transmission line
 Proposed alignment	 Potential social receptor
 Proposed alignment - 330 kV	

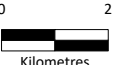
Sheet 5
Preliminary route plans

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 Transmission line corridor	 Main road
 Cadastre	 Road
 Conservation parks and reserves	 Tracks
 Proposed alignment	 Existing ElectraNet transmission line
 Proposed alignment - 330 kV	 Potential social receptor




Sheet 6
Preliminary route plans

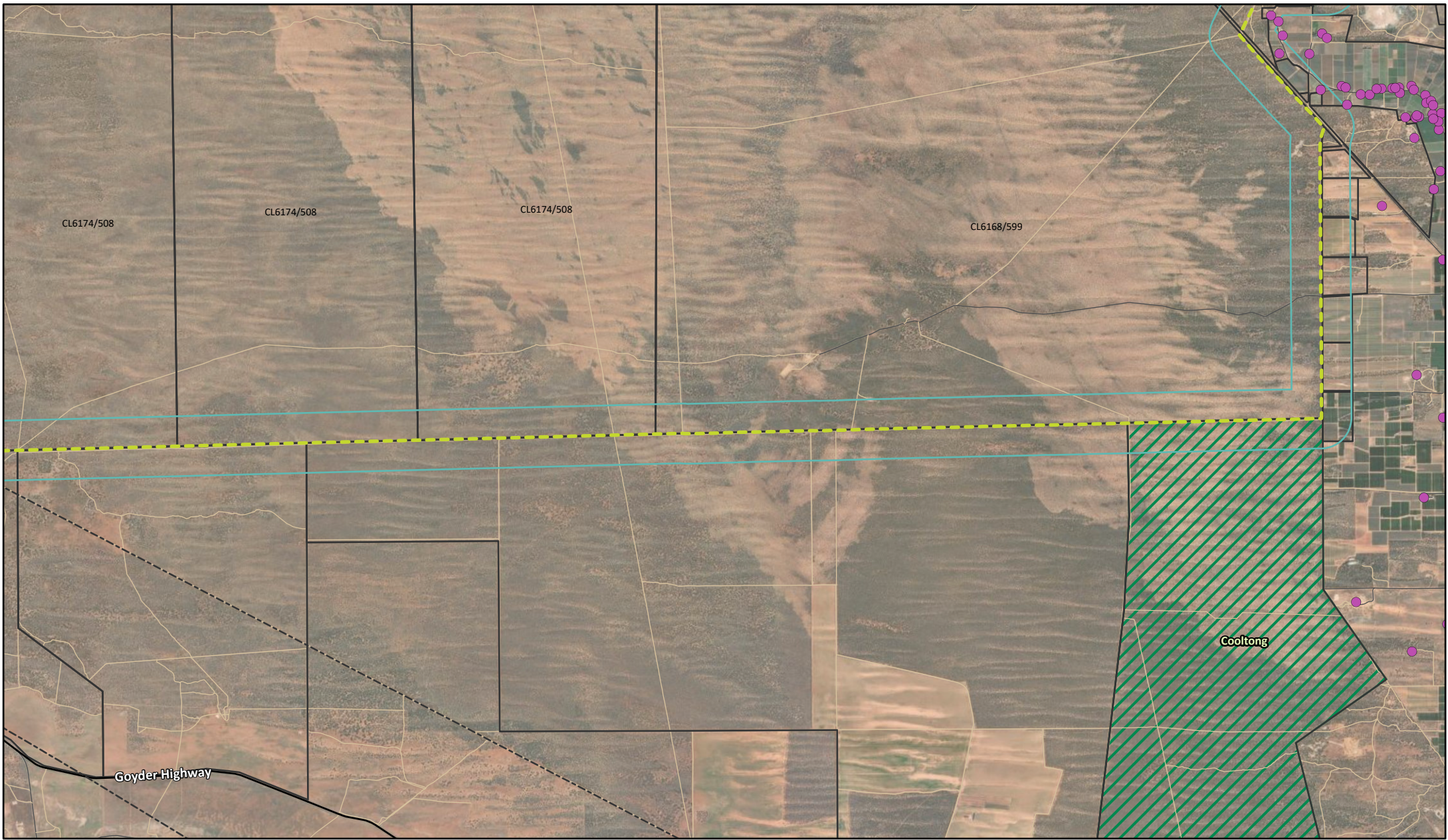












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Kilometres




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 Transmission line corridor	 Main road
 Cadastre	 Road
 Conservation parks and reserves	 Tracks
 Proposed alignment	 Existing ElectraNet transmission line
 Proposed alignment - 330 kV	 Potential social receptor




Sheet 7
Preliminary route plans

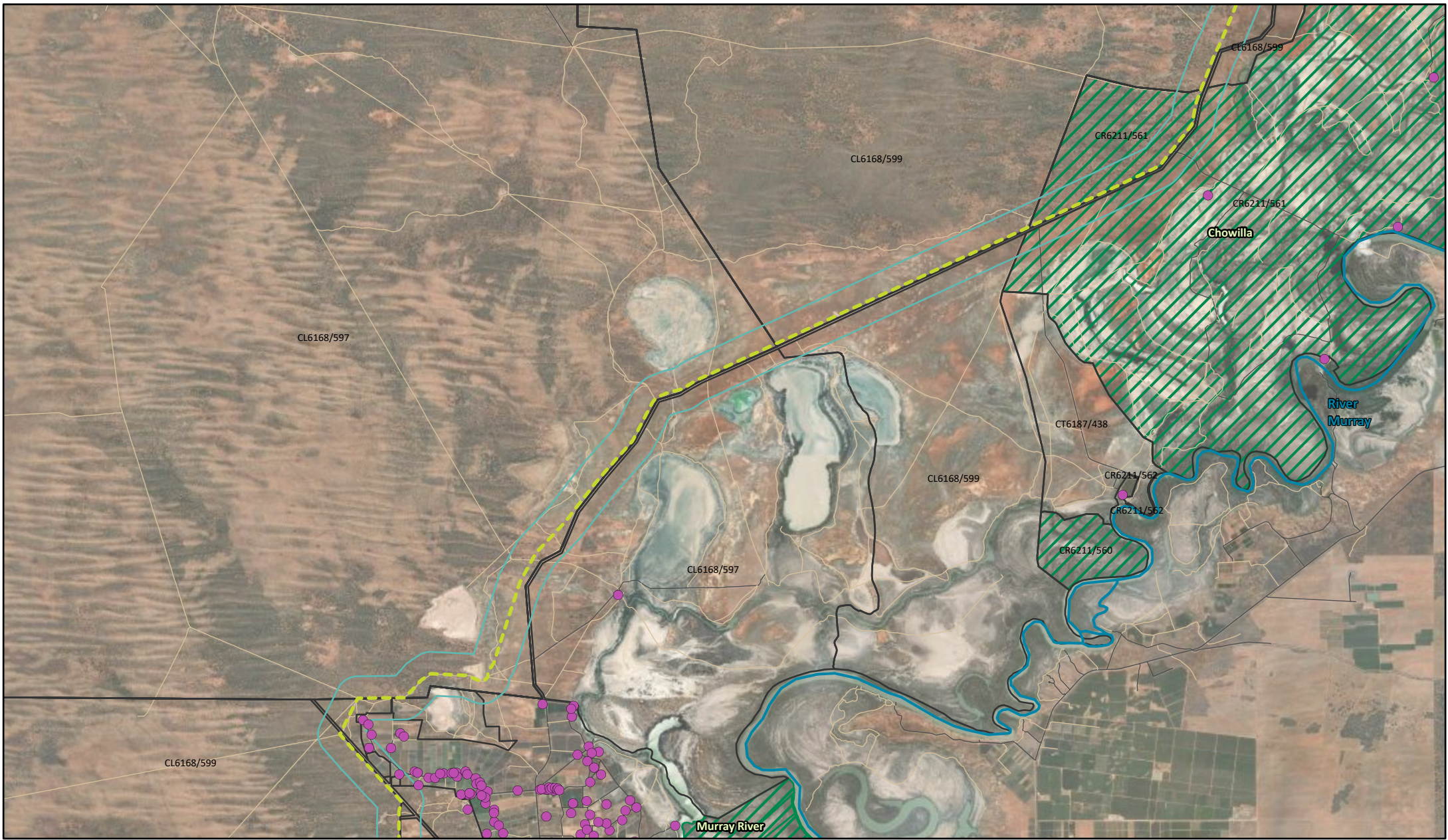


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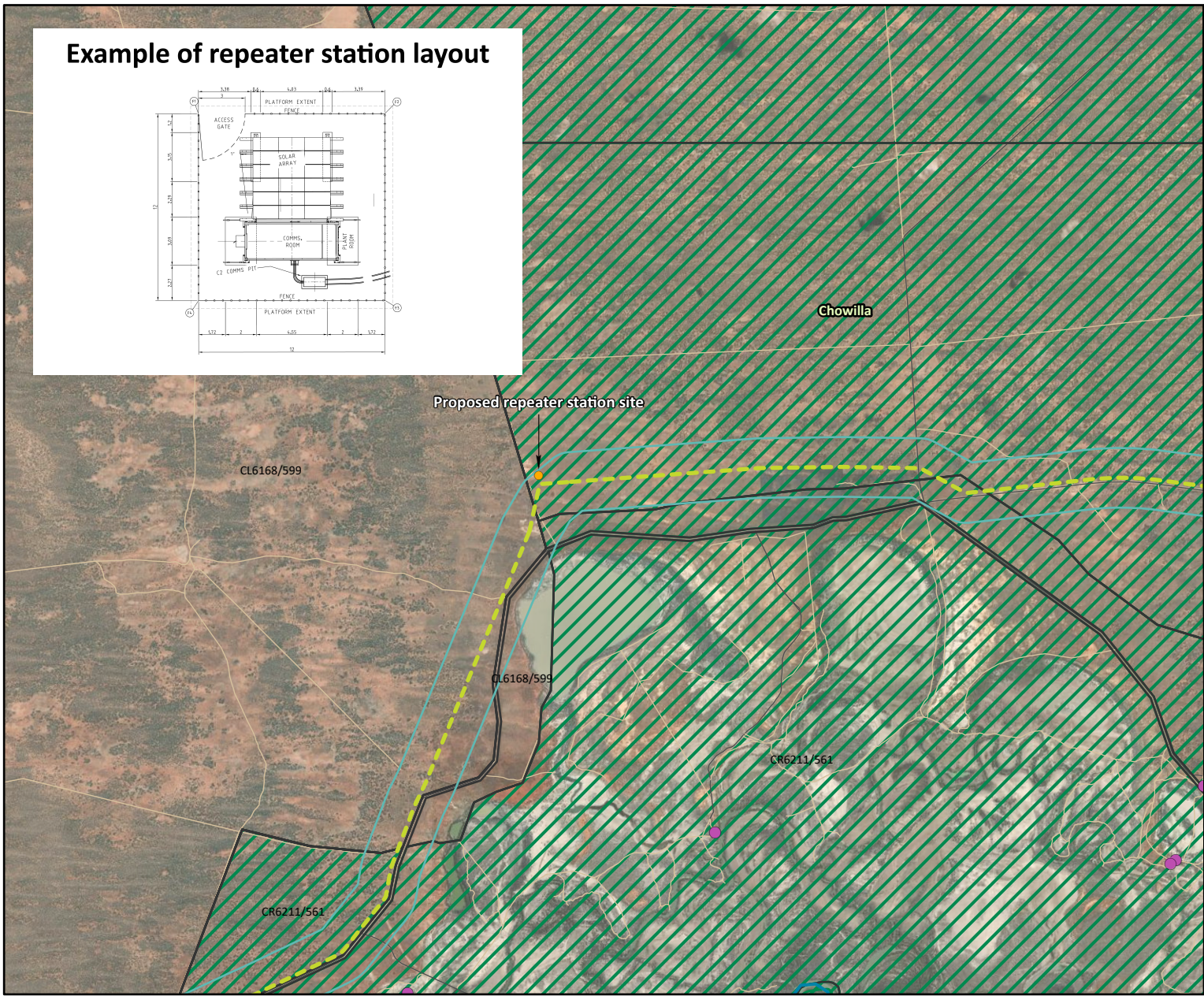
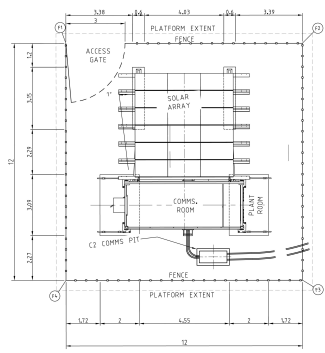
	Transmission line corridor		Road
	Cadastral		Tracks
	Conservation parks and reserves		Potential social receptor
	Proposed alignment		
	Proposed alignment - 330 kV		

Sheet 8
Preliminary route plans

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Kilometres

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Example of repeater station layout



New South Wales

	Transmission line corridor		Road
	Cadastre		Tracks
	Conservation parks and reserves		Potential social receptor
	Proposed alignment		Proposed repeater station site
	Proposed alignment - 330 kV		

Sheet 9
Preliminary route plans

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Kilometres

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