

Template

Proposal Content Document

Table 1: General proposal content description

Proposal title	Andover Lithium Project
Proponent name	Azure Minerals Pty Ltd
Short description	The Proposal is to construct and operate the Andover Lithium Project, located approximately 35 km southeast of Karratha, immediately south of the township of Roebourne (Ieramugadu) (Figure 1). The Proposal includes excavation of an open mine void (through a traditional drill and blast/load and haul mining method), underground mining (with associated access via box cut and in pit portals), construction of WRLs and low-grade ore stockpiles; haul roads and topsoil stockpiles. Processing elements include ROM pad and ore stockpiles; construction and operation of a processing plant; concentrate stockpiling; associated TSF and tailings return water pipelines; a paste plant; process water ponds; and crushing and screening infrastructure. Dewatering infrastructure will consist of in-pit sumps; dewatering bores and pump stations; pipelines and water management ponds. Supporting infrastructure will include construction of an accommodation village; access and haul roads; pipelines and associated corridors to enable the delivery of alternative water supply for construction and operational use; powerline corridors and associated infrastructure; administration office; gatehouse; workshops; laydown areas; explosive magazine (and bulk explosives compound); wastewater treatment plant/s; surface water management infrastructure; landfill/s; 80 MW natural gas-fired power station, solar photovoltaic (PV) system, BESS and other ancillary infrastructure. The Proposal tenement intersects with Mt Welcome Station pastoral lease on Ngarluma Country.

Table 2: Proposal content elements

Proposal element	Location / description	Maximum extent, capacity or range
Physical elements		
Mine elements including: • Open mine pits. • Underground mine and associated access via box cut and in pit portals. • Waste rock landforms. • Low-grade stockpiles. • Topsoil stockpiles. • Haul roads.	Figure 2	Up to 3,045.79 ha of disturbance within the 4,489.2 ha DE.
Mine dewatering infrastructure including: • Dewatering bores and pump stations. • In-pit and underground sumps. • Pipelines. • Water management ponds. • Engineering controls as to mitigate groundwater impacts during dewatering.		
Processing elements including: • ROM pad and ore stockpiles. • Secondary crushing station and conveyors and screening infrastructure. • Processing plant. • Concentrate stockpiles. • Paste plant. • Tailings storage facility. • Tailings and return water pipelines. • Process water ponds.		
Support infrastructure including: • Offices. • Ventilation infrastructure • Underground power infrastructure		

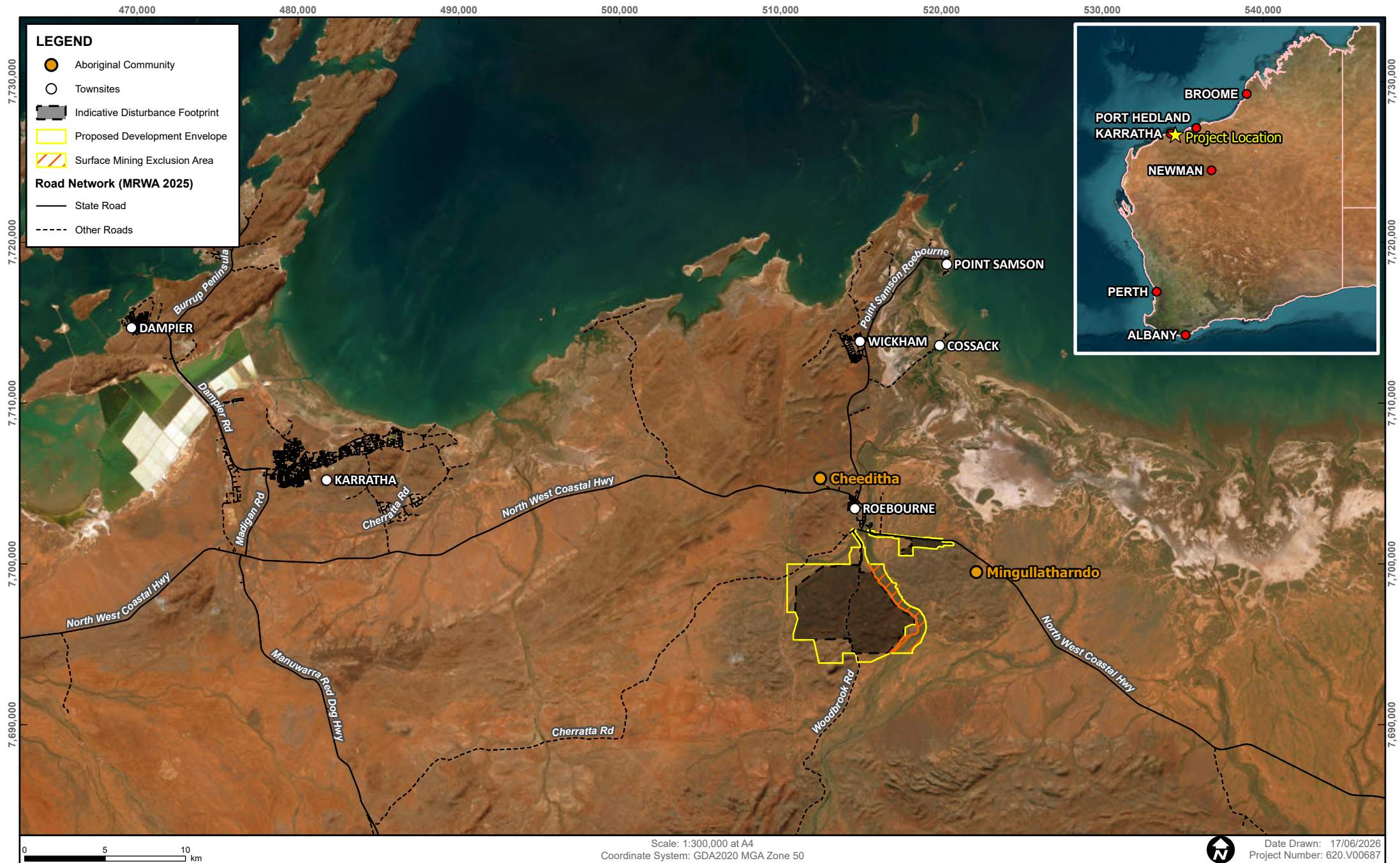
Proposal element	Location / description	Maximum extent, capacity or range
• • Gatehouse. • Workshops. • Park-ups/go-lines. • Laydowns. • Explosive magazines and bulk explosives compound. • Wastewater treatment plant/s. • Surface water management infrastructure including but not limited to stormwater management ponds, process water ponds, water drainage and diversion channels. • Underground water management infrastructure. • Landfill/s. • Borrow pits. • Accommodation village. • Communication infrastructure. • Access and haul roads. • Power generation (natural-gas fired power station and solar PV system) and distribution infrastructure, including battery storage. • Pipelines and associated corridors to enable the delivery of alternative water supply (non-dewatering water). • Other ancillary infrastructure.		
Surface Mining Exclusion Area (SMEA): • Improvement and maintenance of existing access tracks. • Environmental monitoring and mitigation infrastructure. • Engineering controls as to mitigate groundwater impacts during dewatering.	Figure 2	Up to 3 ha included within the IDF for the Proposal (3,045.79 ha).
Construction elements		

Proposal element	Location / description	Maximum extent, capacity or range
Key construction elements include, but not limited to the following physical and operational elements: • Accommodation village. • Surface water management infrastructure. • Dewatering bores or sumps and pump stations. • Engineering controls as to mitigate groundwater impacts during dewatering. • Construction of access and haulage roads. • Borrow pits and laydowns. • Pipelines and associated corridors to enable the delivery of alternative water supply (non-dewatering water). • Bulk earthworks and development of topsoil stockpiles. • Office and administration buildings. • Processing plant and associated tailings storage facility. • Paste Plant. • Concrete batching plant. • Crushing and screening. • Temporary construction power generation (diesel). • Landfill and waste management facilities.	Figure 2	Disturbance required for the construction elements is included within the IDF for the Proposal (3,045.79 ha).
Surface Mining Exclusion Area (SMEA): • Improvement and maintenance of existing access tracks. • Environmental monitoring and mitigation infrastructure. • Engineering controls as to mitigate groundwater impacts during dewatering.	Figure 2	Up to 3 ha included within the IDF for the Proposal (3,045.79 ha).
Mine Dewatering	Figure 2	Up to 0.9 gigalitres/annum.
Operational elements		

Proposal element	Location / description	Maximum extent, capacity or range
Mining	Figure 2	Up to 7 Million tonnes/annum of mined ore.
Mineral Processing		Up to 1.1 Million tonnes/annum of Li ₂ O concentrate. Up to 5 Kilo tonnes/annum of Ta ₂ O ₅ concentrate.
Tailings Deposition		Up to 4.9 Million tonnes/annum.
Mine Dewatering		Up to 0.9 gigalitres/annum
Proposal elements with greenhouse gas emissions		
Peak annual average		
Scope 1 (Fuel use and land use change)	Approximately 247,353 tCO ₂ -e	
Scope 2 (electricity consumption)	Approximately 240,800 tCO ₂ -e	
Scope 3 (primarily processing of sold products)	Approximately 201,895 tCO ₂ -e	
Annual average life of mine:		
Scope 1	120,878 tCO ₂ -e	
Scope 2	236,787 tCO ₂ -e	
Scope 3	189,776 tCO ₂ -e	
Total (based on annual average Scope 1, 2 and 3)		
17,044,528 tCO ₂ -e		
Rehabilitation		
The Proposal has considered mine closure throughout the design phase and will be completed in accordance with an approved Mining Development and Closure Proposal (MDCP) and Mine Closure Plan (MCP), regulated under the provisions of the <i>Mining Act 1978</i> (Mining Act) by the Department of Mines, Petroleum and Exploration (DMPE). Progressive rehabilitation will be undertaken over the LOM with the objective of developing landforms that are safe, stable and non-polluting. This will allow self-sustaining ecosystems to develop and be capable of delivering post-mining land use. At the cessation of operations, infrastructure will be decommissioned and removed (unless otherwise agreed with relevant stakeholders), earthworks and rehabilitation of disturbed areas will be completed. Abandonment bunds will be constructed to restrict access to the post-closure pit lake. Mine closure and final post mining land use will be subject to ongoing stakeholder consultation and closure cost liability estimates will be included in financial planning during the life of the Proposal.		
Commissioning		
Commissioning of the processing facility and associated infrastructure to be undertaken subject to operational limits (above) and in accordance with approval(s) issued under Part V the EP Act.		

Proposal element	Location / description	Maximum extent, capacity or range
Decommissioning		
The MDCP and subsequent MCPs will provide a plan for decommissioning of the mine and post-closure land use. All infrastructure will be removed unless ownership is transferred to a third party.		
Other elements which affect extent of effects on the environment		
Proposal time: Proposed commencement in 2029.	Maximum project life	Approximately 34 years
	Construction phase	Approximately 2 years
	Operations phase	Approximately 30 years
	Decommissioning phase	Approximately 2 years

** Proponents should only provide realistic timeframes to avoid unnecessary change to proposal applications at referral (section 38C), assessment (section 43A) or post assessment (section 45C).*



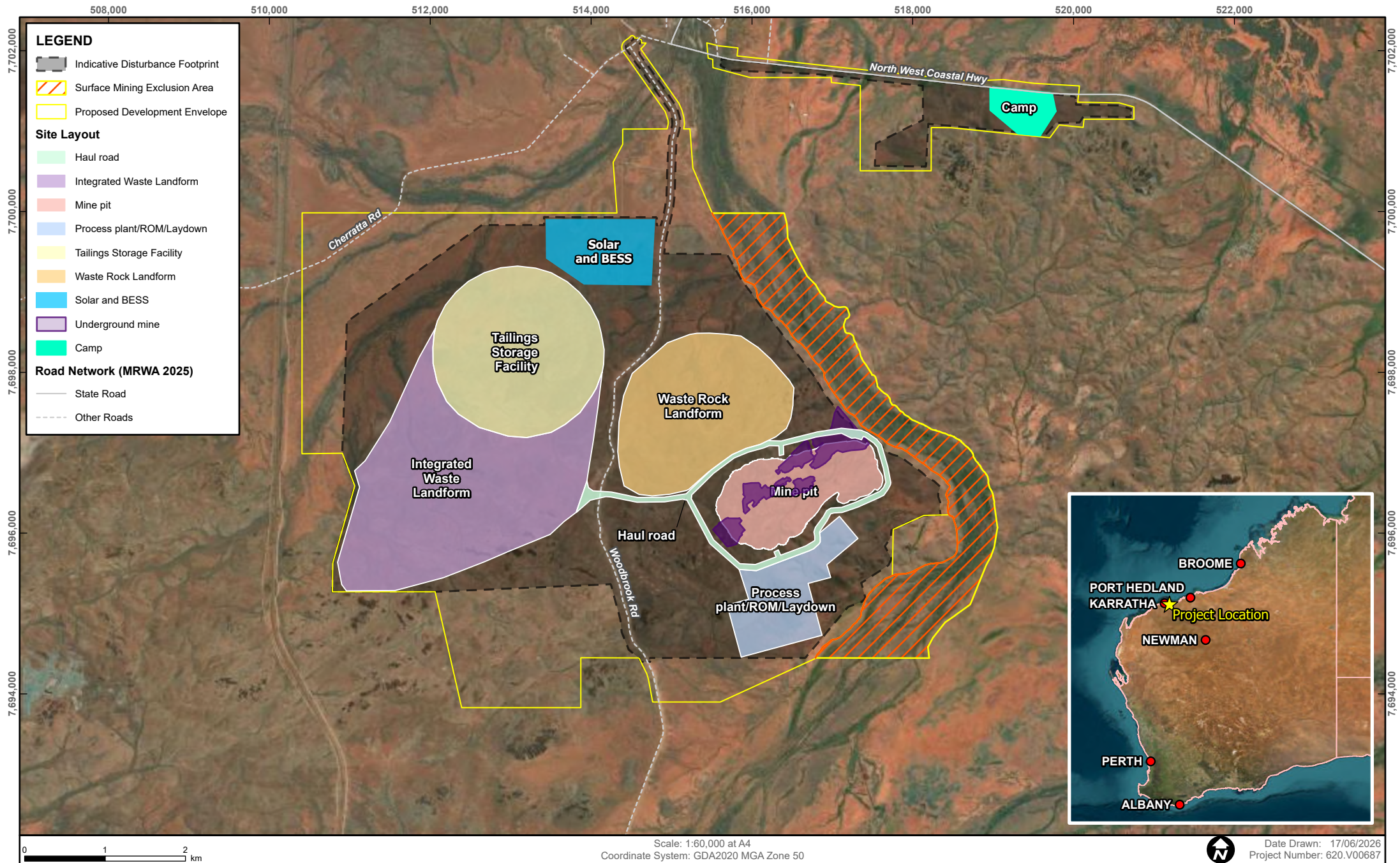
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ANDOVER PROJECT PROPOSAL CONTENT DOCUMENT

REGIONAL LOCATION MAP

FIGURE 1



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ANDOVER PROJECT PROPOSAL CONTENT DOCUMENT

PROPOSAL FOOTPRINT

FIGURE 2