



Works approval number	W3002/2025/1
Works approval holder	Platinum Blasting Services Pty Ltd
ACN	600 020 488
Registered business address	500 Queen Street BRISBANE QLD 4000
DWER file number	INS-0003002
Duration	20/10/2025 to 19/10/2028
Premises details	Project Terra Oakajee Strategic Industrial Area OAKAJEE WA 6532 Legal description – Lots 11 & 12 on Plan 18559 As defined by the coordinates in Schedule 2

Prescribed premises category description (Schedule 1, Environmental Protection Regulations 1987)	Assessed design capacity
Category 33: Chemical blending or mixing: premises on which chemicals or chemical products are mixed, blended or packaged in a manner that causes or is likely to cause a discharge of waste into the environment.	Not more than 40,000 tonnes per annum

This works approval is granted to the works approval holder, subject to the attached conditions, on 20 October 2025, by:

MANAGER, PROCESS INDUSTRIES

an officer delegated under section 20 of the *Environmental Protection Act 1986* (WA)

Works approval history

Date	Ref number	Summary
20/10/2025	W3002/2025/1	Works approval granted

Interpretation

In this works approval:

- (a) the words 'including', 'includes' and 'include' in conditions mean "including but not limited to", and similar, as appropriate;
- (b) where any word or phrase is given a defined meaning, any other part of speech or other grammatical form of that word or phrase has a corresponding meaning;
- (c) where tables are used in a condition, each row in a table constitutes a separate condition;
- (d) any reference to an Australian or other standard, guideline, or code of practice in this works approval:
 - (i) if dated, refers to that particular version; and
 - (ii) if not dated, refers to the latest version and therefore may be subject to change over time;
- (e) unless specified otherwise, any reference to a section of an Act refers to that section of the EP Act; and
- (f) unless specified otherwise, all definitions are in accordance with the EP Act.

NOTE: This works approval requires specific conditions to be met but does not provide any implied authorisation for other emissions, discharges, or activities not specified in this works approval.

Works approval conditions

The works approval holder must ensure that the following conditions are complied with:

Construction phase

Infrastructure and equipment

1. The works approval holder must:
 - (a) construct and/or install the infrastructure and/or equipment;
 - (b) in accordance with the corresponding design and construction requirements; and
 - (c) at the corresponding infrastructure location;as set out in Table 1.

Table 1: Design and construction requirements

	Infrastructure	Design and construction / installation requirements	Infrastructure location
AN solution (ANSOL) meltdown and process area (within enclosed shed)			
1.	2x 6kL and 1x 20kL meltdown tanks	<ul style="list-style-type: none">a) Tanks must be installed upon hardstand bunded area compliant to AS1940;b) Bund must be constructed with drainage connect to water quality basin;c) Tanks must be installed with load cell level gauge.	Located within ANE Plant shed depicted in Schedule 1 Figure 2

	Infrastructure	Design and construction / installation requirements	Infrastructure location
2.	Associated pipework	a) All associated pipework must be installed including flow measures and isolation valves.	
3.	AN hopper and feed auger	a) Feed auger must be installed with fully enclosed pipework.	
Fuel Phase area (within enclosed shed)			
4.	2x 6kL Mixing tank	a) Tanks must be installed upon hardstand bunded area compliant to AS1940; b) Tanks must be insulated and cladded; c) Tanks must be installed with load cell monitoring.	Located within ANE Plant shed depicted in Schedule 1 Figure 2
5.	2x 1.2kL emulsifier tanks	a) Tanks must be installed upon hardstand bunded area.	
Process area (within enclosed shed)			
6.	Mix and stir pot and emulsion cooling system alongside associated pipework	a) Equipment must be installed upon hardstand bunded area; b) Pipework must be installed with flow monitors and shutoff valves alongside local control panel.	Located within ANE Plant shed depicted in Schedule 1 Figure 2
7.	Air compressor	a) 7.5kW rotary screw compressor must be installed with inline pre and post micro filter mounted; b) Must be installed within enclosed ISO container.	
ANE Plant area (external to shed)			
8.	3x Steam boilers	a) Boilers installed must be 500kW and designed to operate at 250°C; b) Boilers must be installed within an enclosed container; c) Boilers must be installed possessing a stack with a height of no less than 8 metres; d) Boilers must be designed and constructed to meet the requirements of AS2593 and AS3814.	Located within ANE Plant shed depicted in Schedule 1 Figure 2
9.	400 kVA Diesel generator	a) Generator must be installed within hydrocarbon contaminated catchment area (refer to Condition 1 number 16); b) Generator must be installed possessing a stack with a height of no less than 4 metres.	As depicted in Schedule 1 Figure 2
10.	70kL Diesel storage tank	a) Tank must be installed within hydrocarbon contaminated catchment area (refer to Condition 1 number 16); b) Tank must be designed and constructed to meet the requirements of AS1692 and AS1940; c) Tanks must be installed with fuel level transmitter connected to a local control panel with an alarm.	
11.	2x 70kL Emulsifier storage tanks	a) Tanks must be installed within hydrocarbon contaminated catchment area (refer to Condition 1 number 16); b) Tanks must be designed and constructed to meet the requirements of AS1692 and AS1940; c) Tanks must be installed with load cell gauges.	

	Infrastructure	Design and construction / installation requirements	Infrastructure location
12.	3x 25kL ANSOL ISO tanks	a) Tanks must be installed upon a hardstand bund compliant to AS1940; b) Bund must be constructed with a drainage connection to the water quality basin.	
13.	6x 46kL (60 tonne) ANE Tanks	a) Tanks must be constructed to meet the requirements of AS1692 and AS1940; b) Tanks must be installed upon a hardstand bund; c) Bund must be constructed with a drainage connection to the water quality basin.	
AN Storage area			
14.	2x 6000t AN Storage Dome	a) Domes constructed to store up to 12,500 tonne AN bag stacks; b) Storage area must be constructed upon hardstand bund; c) Bund must be constructed with a drainage connection to the water quality basin; d) Output auger must be designed to be fully enclosed apart and possess a discharge sock.	As depicted in Schedule 1 Figure 2
15.	3x AN container stack	a) Storage area must be constructed upon hardstand bund; b) Bund must be constructed with a drainage connection to the water quality basin.	
Stormwater Management Infrastructure			
16.	Hydrocarbon contaminated catchment area	a) Bunded impermeable hardstand area compliant to AS1940; b) Drainage pipes present to direct captured stormwater/spills to Hydrocarbon capture unit.	As depicted in Schedule 1 Figure 3
17.	Hydrocarbon capture unit	a) SPEL Purceptor model P.070.C1.2C or equivalent alternative with at least 12.4kL capacity must be installed; b) Must be installed with spill shutoff function to halt stormwater upon hydrocarbon detection; c) Must be fitted with containment overflow alarm.	
18.	Water quality basin	a) Basin must be constructed with a 1037 m ³ volume capacity; b) Elcoseal geosynthetic clay liner or equivalent impermeable liner must be installed in basin; c) Basin must be fitted with Main Roads Western Australia standard pit silt trap containing baffle board or equivalent; d) Basin must be constructed with outflow valve directing into detention basin.	
19.	Detention basin	a) Basin must be constructed with a 1979 m ³ volume capacity; b) Gross pollutant trap (Ecosol GPT 4300 or equivalent) must be fitted on inflow from open drains, roads and undeveloped areas; c) Native vegetation must be present within detention basin.	

Compliance reporting

2. The works approval holder must within 30 calendar days of an item of infrastructure or equipment required by condition 1 being constructed:
 - (a) undertake an audit of their compliance with the requirements of condition 1; and
 - (b) prepare and submit to the CEO an Environmental Compliance Report on that compliance.
3. The Environmental Compliance Report required by condition 2 , must include as a minimum the following:
 - (a) certification by a suitably qualified engineer that the items of infrastructure or component(s) thereof, as specified in condition 1, have been constructed in accordance with the relevant requirements specified in condition 1;
 - (b) as constructed plans and a detailed site plan for each item of infrastructure or component of infrastructure specified in condition 1; and
 - (c) be signed by a person authorised to represent the works approval holder and contains the printed name and position of that person.

Time limited operations phase

Commencement and duration

4. The works approval holder may only commence time limited operations for an item of infrastructure identified in condition 1 where the Environmental Compliance Report as required by condition 2 has been submitted by the works approval holder for that item of infrastructure.
5. The works approval holder may conduct time limited operations for an item of infrastructure specified in condition 1, (as applicable)
 - (a) for a period not exceeding 250 calendar days from the day the works approval holder meets the requirements of condition 4 for item of infrastructure; or
 - (b) until such time as a licence for that item of infrastructure is granted in accordance with Part V of the *Environmental Protection Act 1986*, if one is granted before the end of the period specified in condition 5(a).

Time limited operations requirements

6. During time limited operations, the works approval holder must ensure the infrastructure and equipment listed in Table 2 is maintained and operated in accordance with the corresponding operational requirement set out in that table.

Table 2: Infrastructure and equipment requirements during time limited operations

	Site Infrastructure and equipment	Operational requirement	Infrastructure location
1.	AN plant and liquid storage areas	<ol style="list-style-type: none">a) Spill kits must be available around the site to sufficiently contain and capture any spills of hydrocarbons or chemicals;b) Spilled materials must be either reused on site or taken offsite to a suitably licenced facility;c) Equipment must be maintained and operated in accordance with manufacturer standards;d) Only 2 steam boilers may be operated at any one time.	As depicted in Schedule 1, Figure 2
2.	AN storage area	<ol style="list-style-type: none">a) AN must be stored in bags within AN dome or within a sealed AN storage container;b) Spill kits must be available around the storage	As depicted in Schedule 1, Figure 3

	Site Infrastructure and equipment	Operational requirement	Infrastructure location
		area to sufficiently contain and capture any AN spills; c) Any AN spill must be immediately cleaned and waste stored for disposal.	
3.	Hydrocarbon interceptor unit	a) Upon the detection of hydrocarbons within the interceptor unit, the outflow valve must be closed; b) Any hydrocarbons present within interceptor unit must be isolated for disposal at a suitably licenced facility.	
4.	Stormwater containment infrastructure	a) The water quality basin is to undergo daily grab sample water testing to determine compliance with trigger values outlined within Table 4; b) The water quality basin may only be drained into the detention basin following testing confirming actual values fall below trigger values; c) Any discharge of untested stormwater from the water quality basin must be recorded and reported in accordance with condition 8; d) At the start of wet season, the following monitoring activities must be conducted; i. Inlet and outlet structures visually confirmed to be free of debris; ii. Drains and basins visually confirmed to be free of sediment build-up; iii. There is sufficient vegetation cover within detention basin; iv. Bunds visually inspected to ensure effective containment of spills and stormwater is maintained; v. Detention basin soil is not compacted; e) Following storm events, the following monitoring activities must be conducted; i. Sediment buildup or litter visually checked to ensure drain performance is not impeded; ii. Visual confirmation that no active erosion is occurring across the site; iii. Bunds visually inspected to ensure effective containment of spills and stormwater is maintained; f) Any Weeds of National Significance (WoNS) or declared pest species detected within detention basin must be removed as soon as reasonably practical	

7. During time limited operations, the works approval holder must ensure that the emission(s) specified in Table 3, are discharged only from the corresponding discharge point(s) and only at the corresponding discharge point location(s).

Table 3: Authorised discharge points

	Emission	Discharge point	Discharge point location
1	Stormwater	Water quality basin outlet	Depicted as open drain exiting water quality basin in Schedule 1 Figure 3

Time limited operations management actions

8. The works approval holder must, in the event of exceeding the corresponding trigger value(s) specified in Table 4, undertake the management action(s) within the corresponding timeframe(s) as specified in that table.

Table 4: Management actions required in the event of trigger value exceedance

Monitoring Location	Pollutant	Trigger Value	Management action	Timeframe
Water quality basin as depicted in Schedule 1 Figure 3	Ammonia	80 µg/L	If trigger values are exceeded the contents of the water quality basin must be removed by licenced contractor for disposal at a licenced facility.	As soon as reasonably practicable
	Total available nitrogen	1200 µg/L		
	Oxides of nitrogen	150 µg/L		
	Oil & petroleum hydrocarbons	300 µg/L		
	pH	6.5-8		

Compliance reporting

9. The works approval holder must submit to the CEO a report on the time limited operations within 30 calendar days of the completion date of time limited operations or 30 calendar days before the expiration date of the works approval, whichever is sooner.
10. The works approval holder must ensure the report required by condition 8 includes:
- a summary of the time limited operations, including timeframes and amount of ammonium nitrate emulsion processed;
 - a summary of monitoring parameter results obtained during time limited operations under condition 6;
 - a review of performance and compliance against the conditions of the works approval; and
 - where the manufacturer's design specifications and the conditions of this works approval have not been met, what measures will the works approval holder take to meet them, and what timeframes will be required to implement those measures.

Records and reporting (general)

11. The works approval holder must record the following information in relation to complaints received by the works approval holder (whether received directly from a complainant or forwarded to them by the department or another party) about any alleged emissions from the premises:
- the name and contact details of the complainant, (if provided);
 - the time and date of the complaint;
 - the complete details of the complaint and any other concerns or other issues raised; and
 - the complete details and dates of any action taken by the works approval holder to investigate or respond to any complaint.
12. The works approval holder must maintain accurate and auditable books including the

following records, information, reports, and data required by this works approval:

- (a) the works conducted in accordance with condition 1;
- (b) any maintenance of infrastructure that is performed in the course of complying with condition 6;
- (c) complaints received under condition 10.

13. The books specified under condition 11 must:

- (a) be legible;
- (b) if amended, be amended in such a way that the original version(s) and any subsequent amendments remain legible and are capable of retrieval;
- (c) be retained by the works approval holder for the duration of the works approval; and
- (d) be available to be produced to an inspector or the CEO as required.

Definitions

In this works approval, the terms in Table 5 have the meanings defined.

Table 5: Definitions

Term	Definition
AN	Ammonium Nitrate
ANE	Ammonium Nitrate emulsion, a combination of diesel, emulsifier, water and AN
ANF	Ammonium Nitrate Facility
ANSOL	Ammonium Nitrate Solution, a mixture of dissolved ammonium nitrate and water
ANZECC 2000	refers to the Australia and New Zealand Environment and Conservation Council water quality guidelines published in 2000
AS 1692	means the most recent version and relevant parts of the Australian Standard AS 1692 <i>Steel Tanks for Flammable and Combustible Liquids</i>
AS 1940	means the most recent version and relevant parts of the Australian Standard AS 1940 <i>The Storage and Handling of Flammable and Combustible Liquids</i>
AS 2593	means the most recent version and relevant parts of the Australian Standard AS 2593 <i>Boilers – Safety Management and Supervision Systems</i>
AS 3814	means the most recent version and relevant parts of the Australian Standard AS 3814 <i>Industrial and Commercial Gas-Fired Appliances</i>
CEO	means Chief Executive Officer. CEO for the purposes of notification means: Director General Department administering the <i>Environmental Protection Act 1986</i> Locked Bag 10 Joondalup DC WA 6919 info@dwer.wa.gov.au
Department	means the department established under section 35 of the <i>Public Sector Management Act 1994</i> and designated as responsible for the administration of Part V Division 3 of the EP Act.
Environmental Compliance Report	means a report to satisfy the CEO that the conditioned infrastructure and/or equipment has been constructed and/or installed in accordance with the works approval.
premises	the premises to which this licence applies, as specified at the front of this licence and as shown on the premises boundary map (Figure 1) in Schedule 1 to this works approval.
time limited operations	refers to the operation of the infrastructure and equipment identified under this works approval that is authorised for that purpose, subject to the relevant conditions.
works approval	refers to this document, which evidences the grant of the works approval by the CEO under section 54 of the EP Act, subject to the conditions.
works approval holder	refers to the occupier of the premises being the person to whom this works approval has been granted, as specified at the front of this works approval.

END OF CONDITIONS

Schedule 1: Maps

Premises map

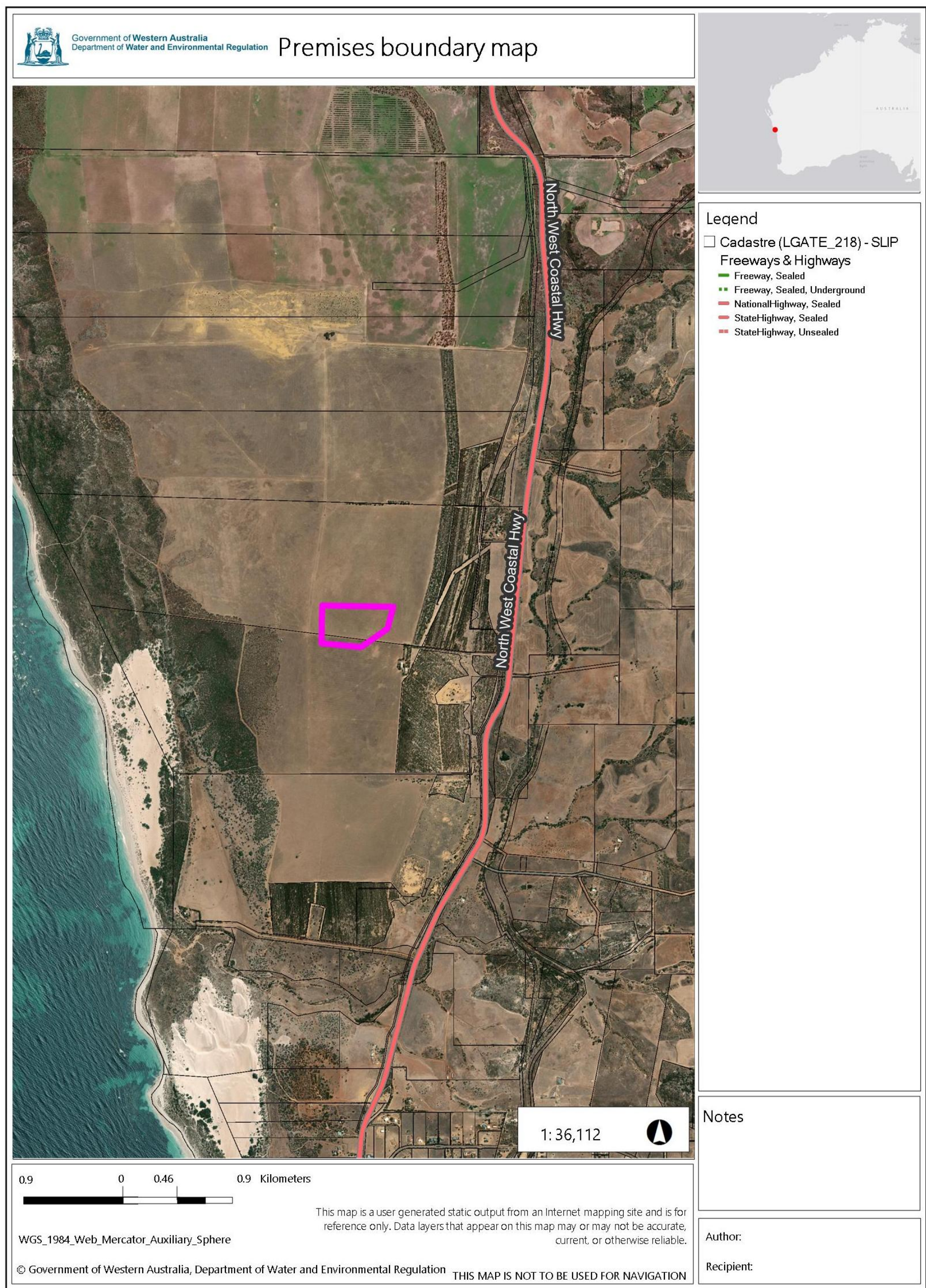


Figure 1: Map of the boundary of the prescribed premises

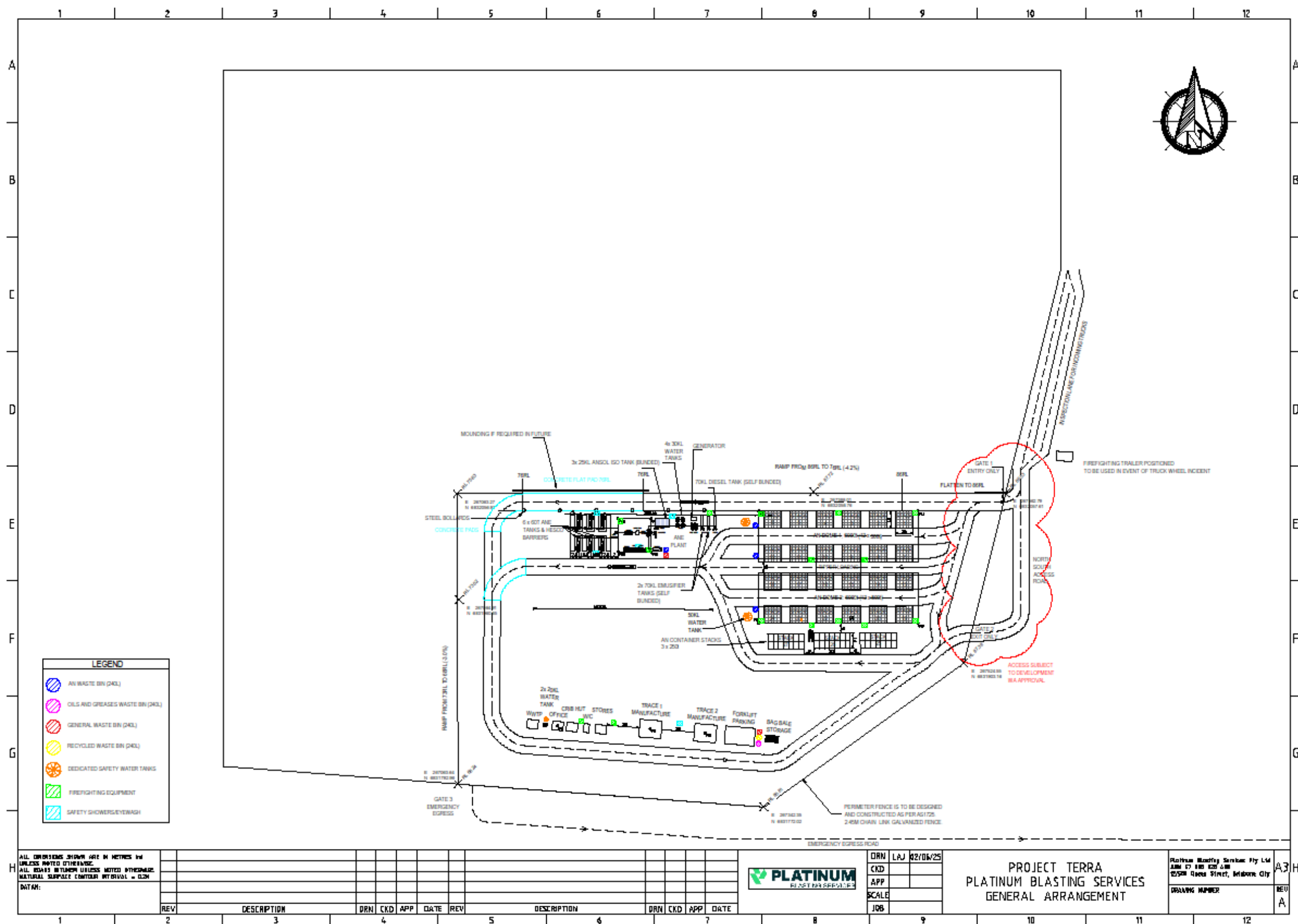


Figure 2: Infrastructure layout map



Figure 3: Stormwater infrastructure location map

Schedule 2: Premises boundary

The corners of the premises boundary are the coordinates listed in Table 6.

Table 6: Premises boundary coordinates (GDA2020)

	Easting	Northing	Zone
1.	267063.64	6831792.96	50
2.	267342.35	6831772.02	50
3.	267524.55	6831903.16	50
4.	267562.79	6832057.61	50
5.	267063.27	6832056.91	50