



Works Approval

Works approval number	W6925/2024/1
Works approval holder	Develop Global Limited
ACN	122 180 205
Registered business address	234 Railway Parade, West Leederville WA 6007
DWER file number	DER2024/000133
Duration	4/10/2024 to 3/10/2027
Date of issue	4/10/2024
Premises details	Pioneer Dome Lithium Project Part Mining Tenements M15/1896, L15/473 Higginsville, WA 6443 As defined by the premises map in Schedule 1 and the coordinates in Schedule 2.

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed design capacity
Category 5: Processing or beneficiation of metallic or non-metallic ore	1.5 million tonnes per annual period
Category 6: Mine dewatering	300,000 tonnes per annual period
Category 64: Class II putrescible landfill	1000 tonnes per annual period

This works approval is granted to the works approval holder, subject to the attached conditions, on 4 October 2024, by:

**A/MANAGER, RESOURCE INDUSTRIES
INDUSTRY REGULATION (STATEWIDE DELIVERY)**

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

Works approval history

Date	Reference number	Summary of changes
04/10/2024	W6925/2024/1	Works approval granted for the construction of an ore crushing plant (Category 5), mine dewatering infrastructure including pipelines and four lined dams/ponds (Category 6) and a putrescible landfill (Category 64).

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 install the infrastructure and equipment;
 - (b) in accordance with the corresponding design and construction / installation requirements; and
 - (c) at the corresponding infrastructure location, as set out in Table 1.

Table 1: Design and construction / installation requirements

	Site infrastructure and equipment	Design and construction / installation requirements	Infrastructure location
Category 5: Crushing plant			
1.	Crushing plant and Run-of Mine (ROM) pad	<ol style="list-style-type: none"> 1. Ore crushing plant to consist of: <ol style="list-style-type: none"> a. mobile rock breaker (Tracked Jaw Crusher) or equivalent; b. Primary crusher ROM bin, fitted with dust suppression spay bars; c. Vibrating feeder with stepped grizzly (static grizzly); and d. Main conveyor fitted with dust covers 2. Crushing circuit to have water sprays installed at all ore transfer points. 3. ROM pad to be constructed of compacted non-acid forming waste rock; 4. Bunding/ windrows to be constructed around the ROM pad to contain any contaminated stormwater runoff from pad 5. Laydown and hardstand areas to be compacted. 	As depicted in Schedule 1, Figure 1
Category 6: Mine dewatering			
2.	Cade turkeys nest	<ol style="list-style-type: none"> 1. Total footprint of approximately 1.4 ha; 2. Lined with 1.5 mm HDPE liner; 3. Automated level sensors to be installed; and 4. Pump(s) to be installed with sufficient capacity to pump water to another water dam on the network. 	Near the Cade Pit as depicted in Schedule 1, Figure 1

	Site infrastructure and equipment	Design and construction / installation requirements	Infrastructure location
3.	Davy turkeys nest	<ol style="list-style-type: none"> 1. Total footprint of approximately 1.4 ha; 2. Lined with 1.5 mm HDPE liner; 3. Automated level sensors to be installed; and 4. Pump(s) to be installed with sufficient capacity to pump water to another water dam on the network. 	Near the Davy Pit as depicted in Schedule 1, Figure 1
4.	Dewatering pipelines	<ol style="list-style-type: none"> 1. Fitted with isolation valves; and 2. Installed within bunds sufficient to contain any leaks with catchment sumps constructed at low elevation points as required. 	As depicted in Schedule 1, Figure 1
5.	Two Processing Ponds	<ol style="list-style-type: none"> 1. Total footprint of approximately 1.4 ha; 2. Lined with 1.5 mm HDPE liner; 3. Automated level sensors to be installed; and 4. Pump(s) to be installed with sufficient capacity to pump water to another water dam on the network. 	Within the processing area as depicted in Schedule 1, Figure 1
Category: 64 Putrescible Landfill			
6.	Class II putrescible landfill	<ol style="list-style-type: none"> 1. Landfill to be located within Cade WRL as depicted in Figure 1, Schedule 1. 2. Trenches up to 30 metres long, 10 metres wide and 4 metres deep; 3. Windrows and bunds installed around the landfill trench to direct stormwater away; 4. The separation distance between the base of the landfill and the highest groundwater level shall not be less than 2 m. 5. Landfill trench to be located outside of the PAF encapsulation cell within the WRL. 	Above natural ground level within the Cade WRL as depicted in Schedule 1, Figure 1

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 or installed:
 - (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 and equipment 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 or photographs 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 6, 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 6 (as applicable):
 - (a) for a period not exceeding 180 calendar days from the day the works approval holder meets the requirements of condition 4 for that 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 and emission limits

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

Table 2: Infrastructure and equipment requirements during time limited operations

	Site infrastructure and equipment	Operational requirements	Infrastructure location
Category 5: Crushing plant			
1.	Crushing plant and ROM pad	<ol style="list-style-type: none"> 1. Volume of ore processed through crushing plant to be recorded 2. Dust suppression spray bars and water sprays on crushing plant to maintained and operated as required to reduce visible dust. 3. Dust suppression via water carts to be applied on stockpiles as required to reduce visible dust. 4. Contaminated stormwater from within ROM pad area and crushing area to be captured and prevented from being released into the environment. 	<p>As depicted in Schedule 1, Figure 1</p> <p>On ROM pad as depicted in Schedule 1, Figure 1</p> <p>As depicted in Schedule 1, Figure 1</p>
Category 6: Mine dewatering			
2.	Cade turkeys nest	<ol style="list-style-type: none"> 1. Maintain a freeboard of no less than 300 mm; 2. Maintain the automated level sensors and pumps in good working order; and 3. Active dams to be inspected daily to ensure freeboard and integrity of dam walls. Inspections will not be undertaken when facilities are not containing water and not active. 	Near the Cade Pit as depicted in Schedule 1, Figure 1
3.	Davy turkeys nest	<ol style="list-style-type: none"> 1. Maintain a freeboard of no less than 300 mm; 2. Maintain the automated level sensors and pumps in good working order; and 3. Active dams to be inspected daily to ensure freeboard and integrity of dam walls. Inspections will not be undertaken when facilities are not containing water and not active. 	Near the Davy Pit as depicted in Schedule 1, Figure 1
4.	Dewatering pipelines	<ol style="list-style-type: none"> 1. Daily inspections of active pipelines; and 2. Maintain integrity of the pipelines. 	As depicted in Schedule 1, Figure 1
5.	Two Processing Ponds	<ol style="list-style-type: none"> 1. Maintain a freeboard of no less than 300 mm; 2. Maintain the automated level sensors and pumps in good working order; and 3. Active dams to be inspected daily to ensure freeboard and integrity of dam walls. Inspections will not be undertaken when facilities are not containing water and not active. 	As depicted in Schedule 1, Figure 1

	Site infrastructure and equipment	Operational requirements	Infrastructure location
Category: 64 Putrescible Landfill and tyre disposal			
6.	Class II putrescible landfill	<ol style="list-style-type: none"> 1. Dust suppression (water cart) will be implemented as required to suppress dust; 2. Only one trench open at any one time; 3. Landfill waste to be covered monthly with dense inert material; 4. The landfill to be inspected weekly when operational and monthly during suspended, non-active or care in maintenance operations, unless the landfill is covered and considered not in use; 5. Weekly inspections to ensure trenches are safe, feral animal issues are managed and windblown rubbish is collected; 6. Windrows/bunding constructed to divert clean stormwater around the landfill trench to be maintained; and 7. Volume of waste deposited within the landfill to be recorded. 8. Waste types accepted at landfill: <ul style="list-style-type: none"> – Putrescible waste – Inert waste Type 1 – Clean fill – Uncontaminated fill 	Within the Cade WRL as depicted in Schedule 1, Figure 1

7. The works approval holder must ensure that water used for dust suppression activities is applied in a manner that does not impact native vegetation or the environment.

Compliance reporting

8. 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 60 calendar days before the expiration date of the works approval, whichever is the sooner.
9. The works approval holder must ensure the report required by condition 8 includes the following:
- (a) a summary of the time limited operations, including timeframes and amount of spodumene ore processed and mine dewater discharged;
 - (b) a summary of the environmental performance of all infrastructure as constructed or installed (as applicable), which includes records detailing the:
 - (i) volume of processed ore;
 - (ii) volumes of mine dewater sent to the process dams; and
 - (iii) volume of putrescible waste disposed to the class 2 landfill;

- (c) a review of performance and compliance against the conditions of the works approval; and
- (d) 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)

10. 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:
 - (a) the name and contact details of the complainant, (if provided);
 - (b) the time and date of the complaint;
 - (c) the complete details of the complaint and any other concerns or other issues raised; and
 - (d) the complete details and dates of any action taken by the works approval holder to investigate or respond to any complaint.
11. 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.
12. 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 3 have the meanings defined.

Table 3: Definitions

Term	Definition
annual period	a 12 month period commencing from 1 January until 31 December of the immediately following year.
books	has the same meaning given to that term under the EP Act.
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.
discharge	has the same meaning given to that term under the EP Act.
emission	has the same meaning given to that term under the EP Act.
Environmental Compliance Report	means a report to satisfy the CEO that the conditioned infrastructure and equipment has been constructed and installed in accordance with the works approval.
EP Act	<i>Environmental Protection Act 1986</i> (WA).
EP Regulations	<i>Environmental Protection Regulations 1987</i> (WA).
monthly period	means a one-month period commencing from day X of a month until day (X-1) of the immediately following month. <i>e.g. "means a one-month period commencing from the seventh day of a month until the sixth day of the immediately following month."</i>
PAF	Potentially acid forming material
premises	the premises to which this licence applies, as specified at the front of this licence and as shown on the premises map (Figure 1) in Schedule 1 to this works approval.
prescribed premises	has the same meaning given to that term under the EP Act.
time limited	refers to the operation of the infrastructure and equipment

Term	Definition
operations	identified under this works approval that is authorised for that purpose, subject to the relevant conditions.
waste	has the same meaning given to that term under the EP Act.
Waste types	As defined in Landfill Waste Classification and Waste Definitions 1996 (as amended 2019)
WRL	Means waste rock landform.
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

The boundary of the prescribed premises is shown in the map below (Figure 1).

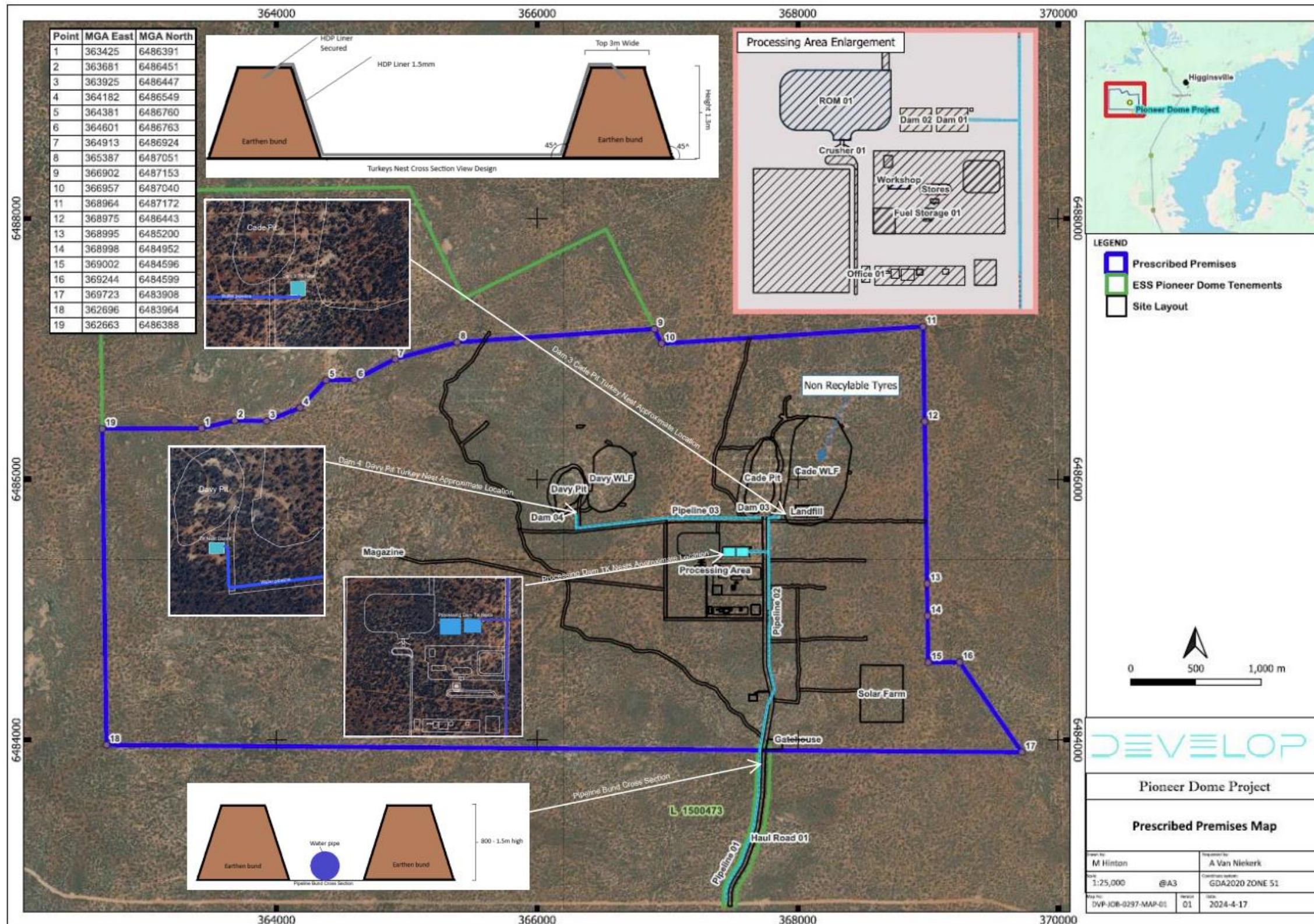


Figure 1: Map of the boundary of the prescribed premises

W6925/2024/1 (4 October 2024)

IR-T05 Works approval template (v6.0) (September 2022)

Schedule 2: Premises boundary

The corners of the premises boundary are the coordinates listed in Table 4.

Table 4: Premises boundary coordinates (GDA2020)

	Easting (MGA)	Northing (MGA)	Zone
1.	363425	6486391	51
2.	363681	6486451	51
3.	363925	6486447	51
4.	364182	6486549	51
5.	364381	6486760	51
6.	364601	6486763	51
7.	364913	6486924	51
8.	365387	6487051	51
9.	366902	6487153	51
10.	366957	6487040	51
11.	368964	6487172	51
12.	368975	6486443	51
13.	368995	6485200	51
14.	368998	6484952	51
15.	369002	6484596	51
16.	369244	6484599	51
17.	369723	6483908	51
18.	362696	6483964	51
19.	362663	6486388	51