



<b>Works approval number</b>	W6766/2022/1
<b>Works approval holder</b>	Pilgangoora Operations Pty Ltd
<b>ACN</b>	616560395
<b>Registered business address</b>	Level 2, 146 Colin Street WEST PERTH, W.A 6005
<b>DWER file number</b>	DER2022/000584
<b>Duration</b>	13/03/2023 to 12/03/2026
<b>Date of issue</b>	10 March 2023
<b>Premises details</b>	Pilgangoora Lithium-Tantalum Project Mining Tenement M45/1256 and L45/417 MARBLE BAR WA 6760 As defined by the premises map in Schedule 1

<b>Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)</b>	<b>Assessed ore processing capacity</b>
Category 5: Processing or beneficiation of metallic or non-metallic ore.	5 million tonnes per year

This works approval is granted to the works approval holder, subject to the attached conditions, on 10 March 2023, by:

**Alana Kidd**

**MANAGER, RESOURCES INDUSTRIES**

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

## Works approval history

Date	Reference number	Summary of changes
10/03/2023	W6766/2022/1	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 all the infrastructure and/or 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**

Infrastructure/equipment	Design and construction / installation requirements	Infrastructure location
<p><b>Crushing and Ore Sorting Circuit (COSC) including:</b></p> <p><b>ROM bin, Primary crushing, ore sorting hall, ore sorting waste material (two stockpiles), and secondary crushing</b></p>	<ul style="list-style-type: none"> <li>• Concrete hardstand area beneath the full crushing and sorting circuit, including conveyor transfer points and stockpile areas.</li> <li>• Bunding is to be located surrounding all wet componentry of the circuit, including the primary crushing building, ore sorting building and for all hydraulics related to the secondary cone crusher to ensure any wash water and or spillage is appropriately contained and cleaned up.</li> <li>• Water spray installed on all transfer points and a deluge system on the Run of Mine (ROM) bin activated by beam switches as a truck or front-end loader tips feed ore into the plant.</li> <li>• All dry screens to incorporate water sprays and/or dust covers.</li> <li>• Dual belt scrapers and skirting on loading points for all conveyors.</li> <li>• Luffing radial stackers able to keep the discharge height ~ 500mm above the top of the stockpile in a fixed position.</li> <li>• General arrangement as showing in Figure 1 and 3.</li> </ul>	<p>Schedule 1: Maps: Figure 1 and 3 to 7 –</p>
<b>STORMWATER INFRASTRUCTURE</b>		
<p><b>Drains and Sediment ponds</b></p>	<ul style="list-style-type: none"> <li>• Drains and clay lined sediment ponds to be appropriately located to capture all runoff from the Crushing and Ore Sorting Circuit (COSC).</li> </ul>	<p>Schedule 1: Maps Figure 2</p>

## 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 and/or installed or transported to the premises:
  - (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(b), 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, 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 operation of an item of infrastructure listed in condition 1 once the Environmental Compliance Report has been submitted for that item of infrastructure in accordance with condition 2 of this works approval.
5. The works approval holder may conduct time limited operations for an item of infrastructure specified in condition 1:
  - (a) for a period not exceeding 180 calendar days from the day the works approval holder meets the requirements of condition 1 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).
6. During time limited operations, the works approval holder must ensure that the premises infrastructure and equipment listed in Table 2 is maintained and operated in accordance with the corresponding operational requirements set out in Table 2.

**Table 2: infrastructure and equipment requirements during time limited operations**

Infrastructure/equipment	Operational requirement	Infrastructure location
<p><b>Crushing and Ore Sorting Circuit (COSC) including:</b></p> <p><b>ROM bin, Primary crushing, ore sorting hall, ore sorting waste material (two stockpiles), and secondary crushing</b></p>	<ul style="list-style-type: none"> <li>• No more than 5 million tonnes of ore processed per year;</li> <li>• Any fuel spills are cleaned up immediately;</li> <li>• Regular inspections for integrity and performance of dust suppression infrastructure and bunding;</li> <li>• Regular clean-up at transfer points to reduce spillage build-up and within bunded areas;</li> <li>• Stockpile height is minimised; and</li> <li>• Infrastructure to be maintained as per the design and construction / installation requirements in condition 1.</li> </ul>	<p>Schedule 1: Maps: Figure 1 and 3 to 7</p>
<p><b>Drains and Sediment ponds</b></p>	<ul style="list-style-type: none"> <li>• Sediment is to be removed from drains and sediment ponds regularly and before the start of at least each wet season.</li> <li>• Regular inspections for integrity and performance of drains and sediment ponds.</li> </ul>	<p>Schedule 1: Maps: Figure 2</p>

### Time Limited Operations Compliance reporting

7. 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.
8. The works approval holder must ensure the report required by condition 7 includes the following:
  - (a) a summary of the time limited operations, including timeframes and amount of material processed;
  - (b) a review of performance and compliance against the conditions of the works approval; including details of performance of existing stormwater drainage systems, dust suppression equipment and bunding infrastructure; and
  - (c) 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

- 9.** 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.
- 10.** 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 1 or 6; and
  - (c) complaints received under condition 9.
- 11.** The books specified under condition 10 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
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 <a href="mailto:info@dwer.wa.gov.au">info@dwer.wa.gov.au</a>
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/or equipment has been constructed and/or installed in accordance with the works approval.
EP Act	<i>Environmental Protection Act 1986 (WA)</i> .
EP Regulations	<i>Environmental Protection Regulations 1987 (WA)</i> .
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.
suitably qualified engineer	means a person who: (a) holds a Bachelor of Engineering recognised by the Institute of Engineers; and (b) has a minimum of five years of experience working in the area of engineering or is otherwise approved by the CEO to act in this capacity.
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.

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### END OF CONDITIONS

# Schedule 1: Maps

## Premises map

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

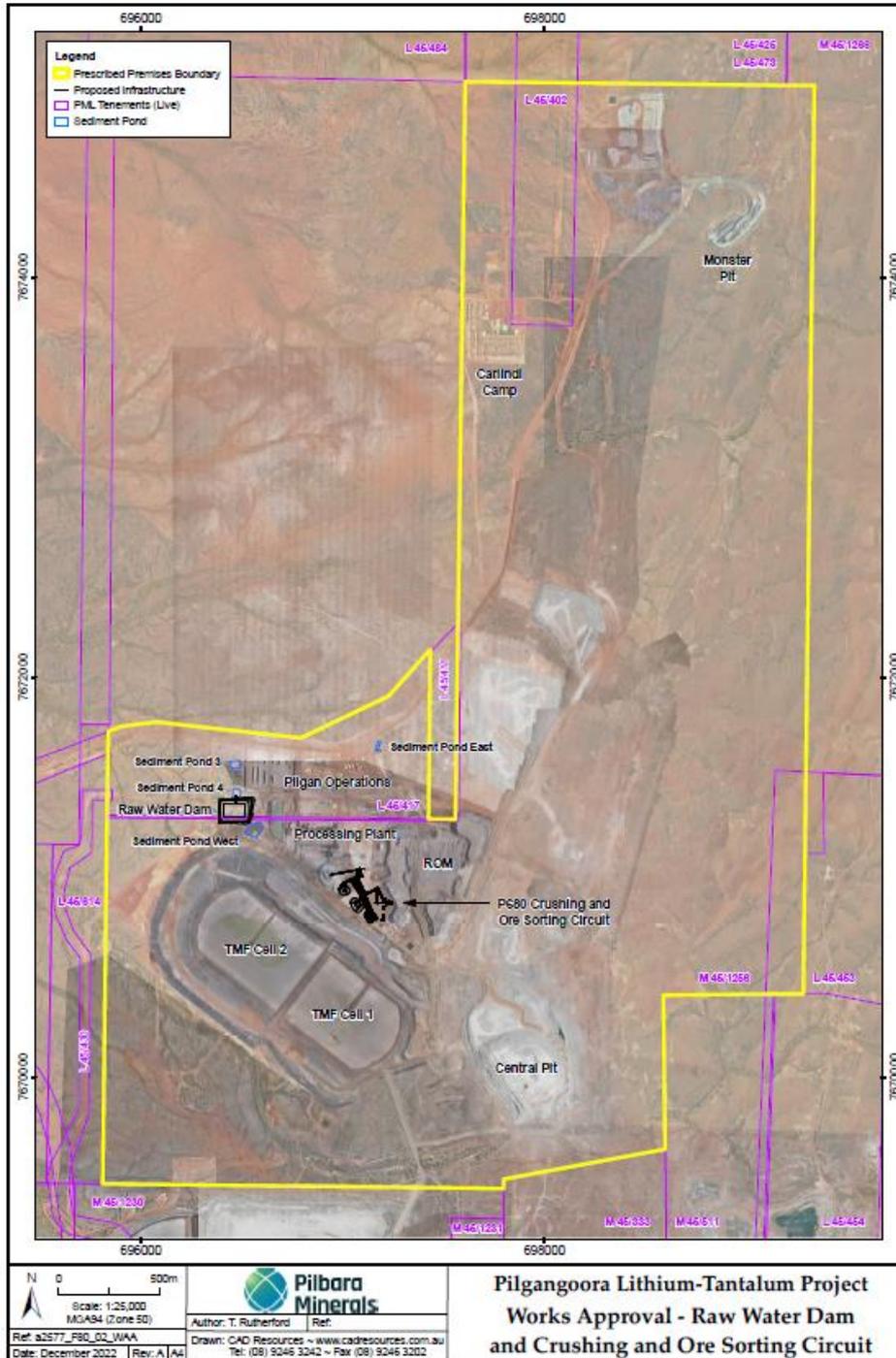
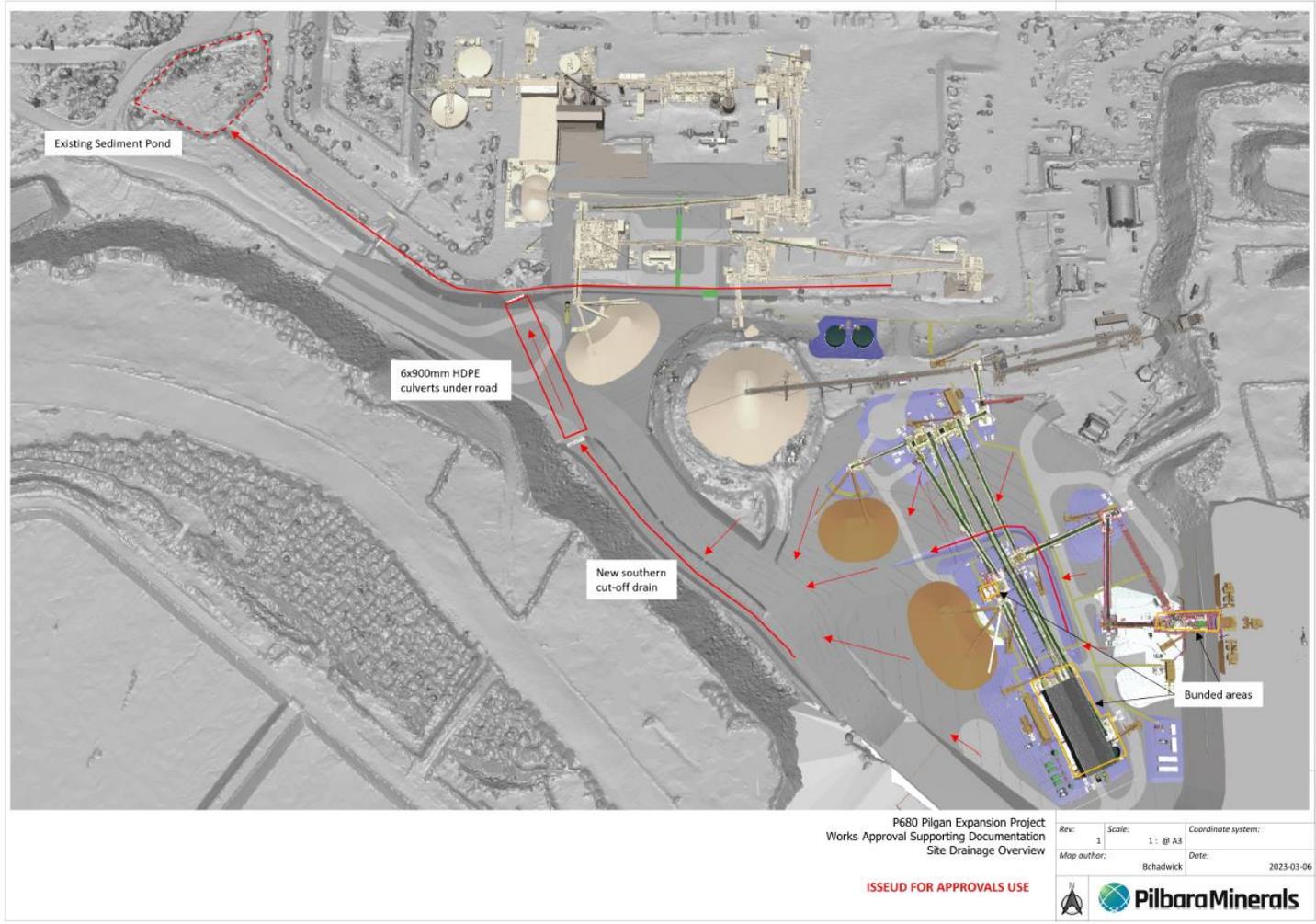


Figure 1: Map of the boundary of the prescribed premises.



**Figure 2: Existing sediment pond and associated drains to manage stormwater.**

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



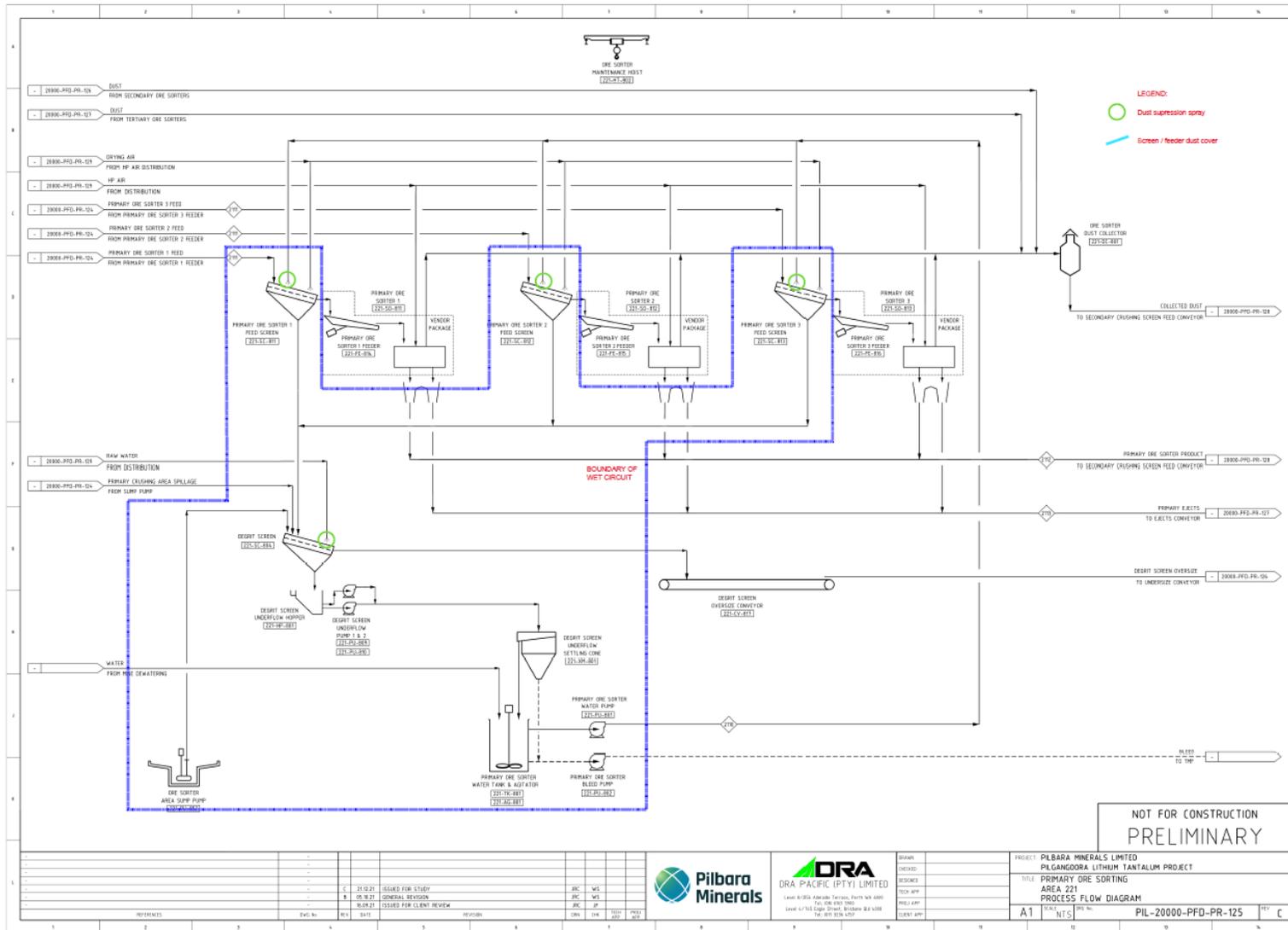


Figure 4: Crushing and sorting circuit indicative flowsheet (2 of 5 diagrams)

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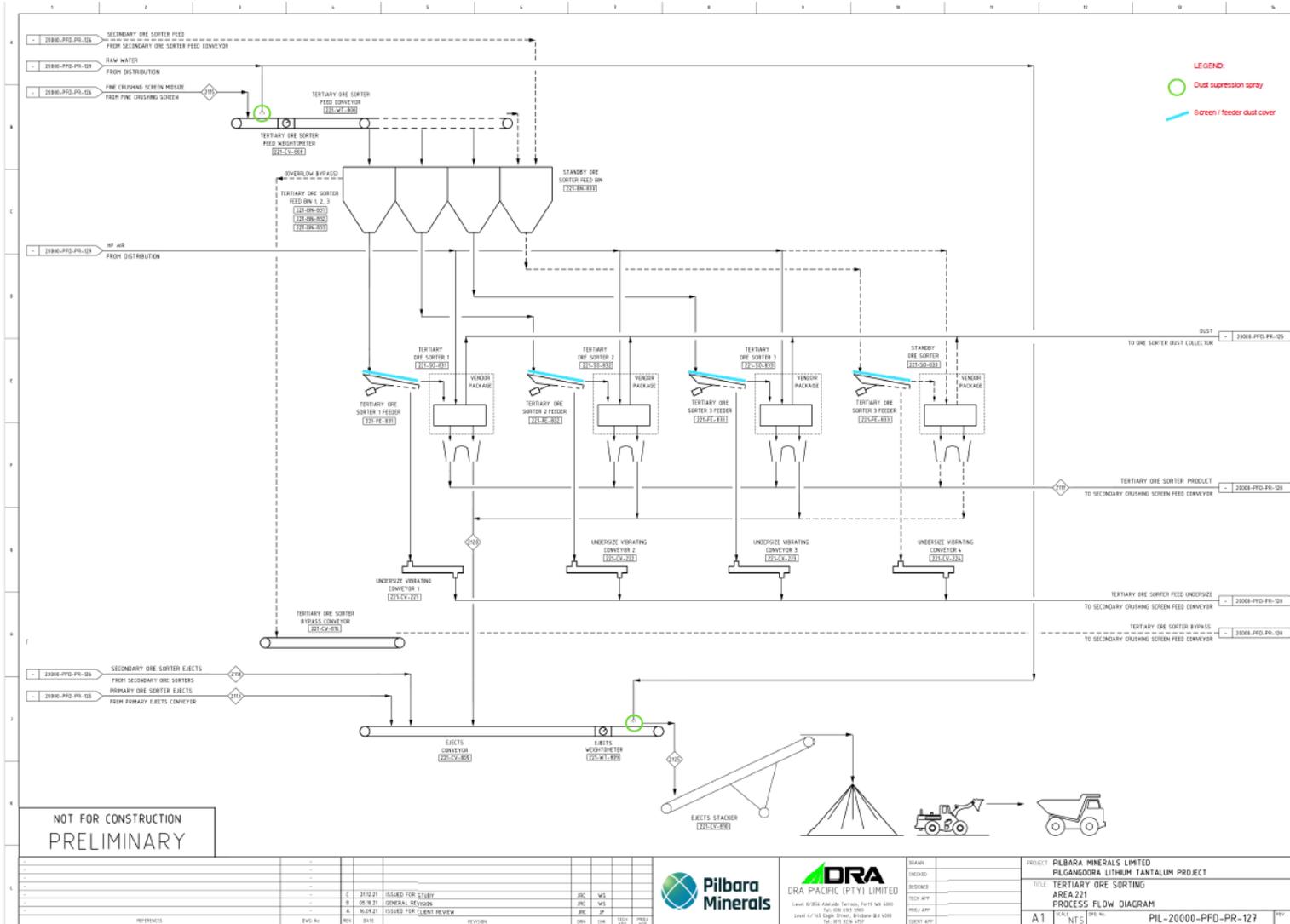


Figure 6: Crushing and sorting circuit indicative flowsheet (4 of 5 diagrams)

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