



<b>Works approval number</b>	W6670/2022/1
<b>Works approval holder</b>	Leeuwin Civil Pty Ltd
<b>ACN</b>	117 828 789
<b>Registered business address</b>	995 Gale Road, Koorup, 6280
<b>DWER file number</b>	DER2022/000057
<b>Duration</b>	19/11/2022 to 09/04/2025
<b>Date of issue</b>	18/11/2022
<b>Premises details</b>	285 Gibb Road, Koorup, 6280 Legal description - Lot 101 on Deposited Plan 69781 Certificate of Title Volume 2765 Folio 652

<b>Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)</b>	<b>Assessed production capacity</b>
Category 70: Screening etc. of material: premises on which material extracted from the ground is screened, washed, crushed, ground, milled, sized or separated.	No more than 30,000 tonnes per year

This works approval is granted to the works approval holder, subject to the attached conditions, on 18 November 2022, by:

**MARIANA DE MORAES**  
**A/ MANAGER, RESOURCE INDUSTRIES**  
**REGULATORY SERVICES**

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

## Works approval history

Date	Reference number	Summary of changes
18/11/2022	W6670/2022/1	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 the 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	Design and construction / installation requirements	Infrastructure location
1.	Mobile crushing and screening plant	<p>Installation and/or setup of the below crushing and screening plant (or equivalent):</p> <ul style="list-style-type: none"> <li>• 1 x Terex Finlay I-140 Impact Crusher</li> <li>• 1 x Terex Finlay 693 Supertrak</li> </ul> <p>Ensure all plant is operational as per manufacturer's instructions.</p> <p>Crushing and screening plant fitted with dust covers.</p> <p>Screening plant fitted with sprayers and sprinklers.</p>	Located within the Prescribed Premises Boundary as depicted in Figure 1 of Schedule 1.
2.	Mobile equipment	<p>Mobile equipment operating at the premises includes but is not limited to:</p> <ul style="list-style-type: none"> <li>• CAT 330F Excavator</li> <li>• CAT 16M Grader</li> <li>• CAT 972 Loader</li> <li>• CAT 966 Loader</li> <li>• Bulldozer (D8)</li> <li>• Dump Truck</li> <li>• Anaconda Radial Stockpiler</li> </ul> <p>'Quacker' (broadband frequency with no tonality) reversing alarms must be fitted on all mobile equipment and vehicles to replace standard audible reverse beepers.</p>	Located within the Prescribed Premises Boundary as depicted in Figure 1 of Schedule 1
3.	Stormwater management infrastructure	<p>The excavation and processing area for each excavation cell must be bunded and drain such that:</p> <ul style="list-style-type: none"> <li>• Clean surface water run-off is directed</li> </ul>	As depicted in Figure 2 of Schedule 1.

	Infrastructure	Design and construction / installation requirements	Infrastructure location
		<p>away from the excavation and operational areas via diversion drains</p> <ul style="list-style-type: none"> <li>• Surface water run-off within the operational area is to be maintained within the excavation footprint</li> </ul> <p>Must be constructed and operational prior to commencing time limited operations.</p>	
4.	Earthen bunding to adjoining lot	<p>Construction of earthen bund alongside the lot adjoining the excavation area. Earthen bund to be constructed to the below dimensions:</p> <ul style="list-style-type: none"> <li>• At least 1 m high</li> <li>• At least 2 m wide</li> <li>• Full length of the active excavation cell</li> </ul> <p>Must be constructed and operational prior to commencing time limited operations.</p>	As depicted in Figure 2 of Schedule 1.
5.	Water truck	<p>At least one water truck of 15,000 L capacity must be available at all times at the premises during construction phase to suppress dust generated via earthworks, installation of the crushing and screening plant and vehicle movements.</p>	Within the Prescribed premises boundary as depicted in Figure 1 of Schedule 1.
6.	Access road	<p>The internal access road to the excavation area must be sheeted with gravel to reduce dust emissions.</p> <p>Must be constructed and operational prior to commencing time limited operations.</p>	As depicted in Figure 1 of Schedule 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 and/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 or builder 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;
  - (c) Photographic evidence of the installation of the infrastructure; and

- (d) 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 conduct time limited operations for an item of infrastructure specified in condition 5 (as applicable):
- for a period not exceeding 180 calendar days from the day the works approval holder meets the requirements of condition 2 for that item of infrastructure; or
  - until such time as a licence or registration for that item of infrastructure is granted in accordance with Part V of the *Environmental Protection Act 1986*; whichever is sooner.

### Time limited operations requirements and emission limits

5. During time limited operations, 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 requirements set out in Table 2.

**Table 2: Infrastructure and equipment operational requirements**

	Site infrastructure and equipment	Operational requirements	Infrastructure location
1.	Mobile crushing and screening plant	<ul style="list-style-type: none"> <li>Plant only to be operated when on the excavated pit floor;</li> <li>Plant only to be operated as per manufacturer's instructions.</li> <li>Sprayers and sprinklers on screening plant to be utilised to prevent dust emissions during plant operation</li> </ul>	Located within the excavation area as depicted in Figure 1 of Schedule 1.
2.	Mobile equipment	<ul style="list-style-type: none"> <li>Ensure all mobile equipment is operated as per manufacturer's instructions</li> <li>Sand and gravel loading operations to occur within the excavated pit area only</li> </ul>	Located within the excavation area as depicted in Figure 1 of Schedule 1
3.	Topsoil / overburden stockpiles	<ul style="list-style-type: none"> <li>If direct spreading of topsoil and overburden onto areas to be revegetated is not possible, stockpiles of topsoil and/ or overburden are to be positioned either within the excavated pit area or in low bunds around the perimeter of the excavation area to assist with noise screening</li> </ul>	Located within the Premises Boundary as depicted in Figure 1 of Schedule 1.

	Site infrastructure and equipment	Operational requirements	Infrastructure location
		<ul style="list-style-type: none"> <li>• Stockpiles must not exceed 1 m in height</li> <li>• Stockpiles to be watered and stabilised as required to prevent visible dust lift off</li> </ul>	
4.	Gravel and sand material stockpiles	<ul style="list-style-type: none"> <li>• Stockpiles must not exceed 2 m in height</li> <li>• Stockpiles may only be positioned on the pit floor of excavation areas</li> <li>• When possible, stockpiles to be stockpiled for less than 24 hours</li> <li>• Stockpiles to be watered and stabilised as required to prevent visible dust lift off</li> </ul>	Located within the Premises Boundary as depicted in Figure 1 of Schedule 1.
5.	Excavation and processing area	<ul style="list-style-type: none"> <li>• No storage of hydrocarbons, fuel, coolants or lubricants within the pit area</li> <li>• No refueling, major servicing or maintenance of vehicles or plant to occur within the premises boundary</li> <li>• The excavation and processing area is to be inspected post heavy rainfall events for any incidences of erosion damage and any required repairs will be undertaken as soon as practicable</li> <li>• Spill kits containing appropriate equipment for control, containment and cleanup of hydrocarbon and chemical spills will be available in appropriate locations onsite and maintained</li> </ul>	Located within the Premises Boundary as depicted in Figure 1 of Schedule 1.
6.	15,000L Water Truck	<ul style="list-style-type: none"> <li>• Water truck must be available at all times at the Premises to manage dust emissions from the excavation and processing areas, stockpiles and unsealed access roads.</li> </ul>	Located within the Premises boundary as depicted in Figure 1 of Schedule 1.

## Emissions and Discharges

### Dust emissions

6. The works approval holder must ensure that no visible dust generated from the crushing, screening and material stockpiling activities crosses the boundary of the premises.
7. The works approval holder must manage dust generation at the premises by:
  - (a) wetting down unsealed roads and exposed areas with a water truck;
  - (b) wetting down stockpiles and dust generating operational areas;
  - (c) ceasing dust-generating activities during strong wind conditions when dust management measures have not prevented dust lift-off and there is a risk of dust impacting on sensitive residential receptors
  - (d) ensuring truck loads are fully covered prior to leaving the premises;

### 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 90 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 material processed;
  - (b) a summary of the environmental performance of all infrastructure as constructed or installed;
  - (c) a review of performance and compliance against the conditions of the works approval;
  - (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 5;
  - (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
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 or builder	Engineer eligible for membership of the Institute of Engineers, Australia or builder registered as an active builder under the <i>Building Services (Registration) Act 2011</i> .
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.

Term	Definition
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.

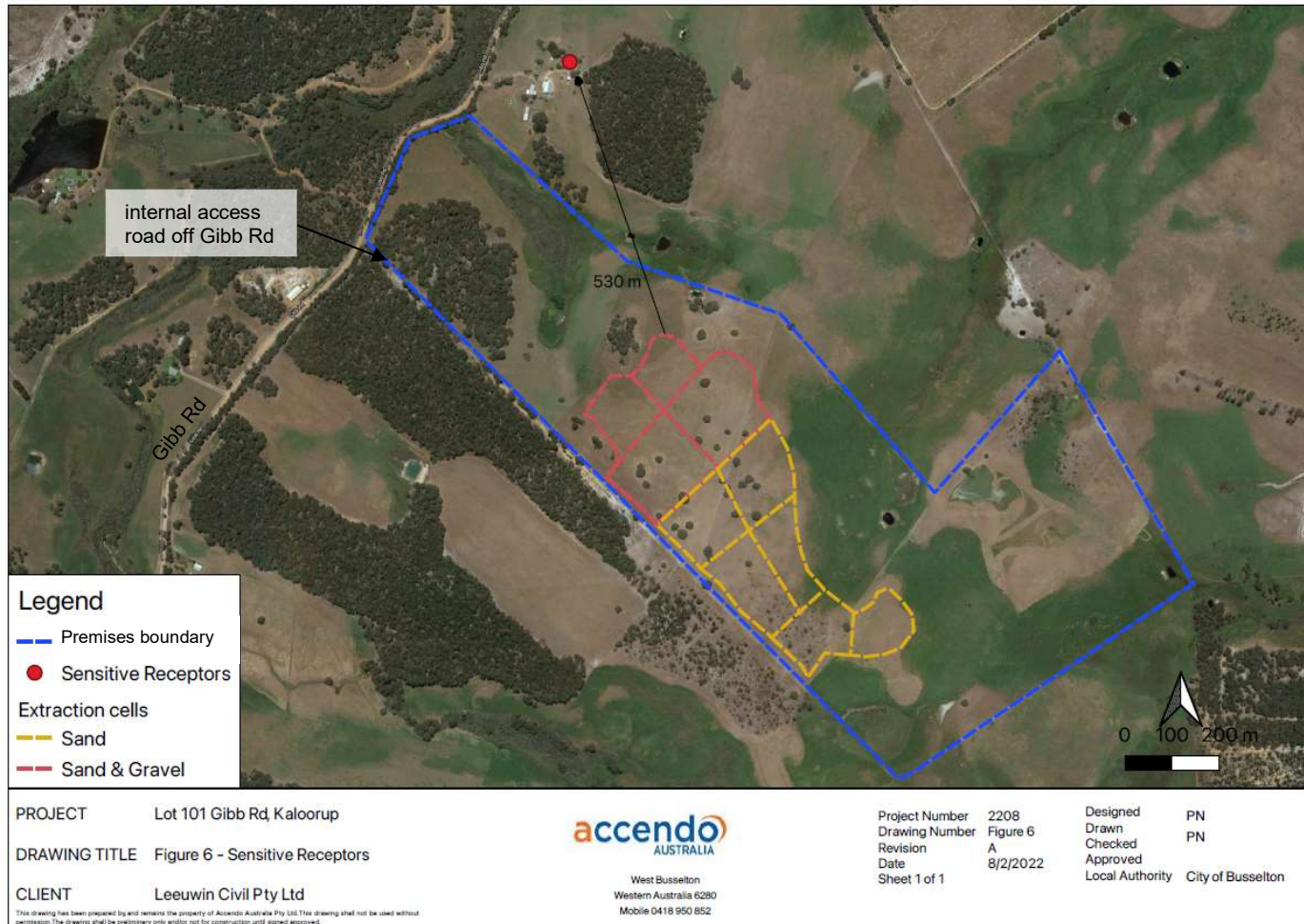
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**END OF CONDITIONS**

# Schedule 1: Maps

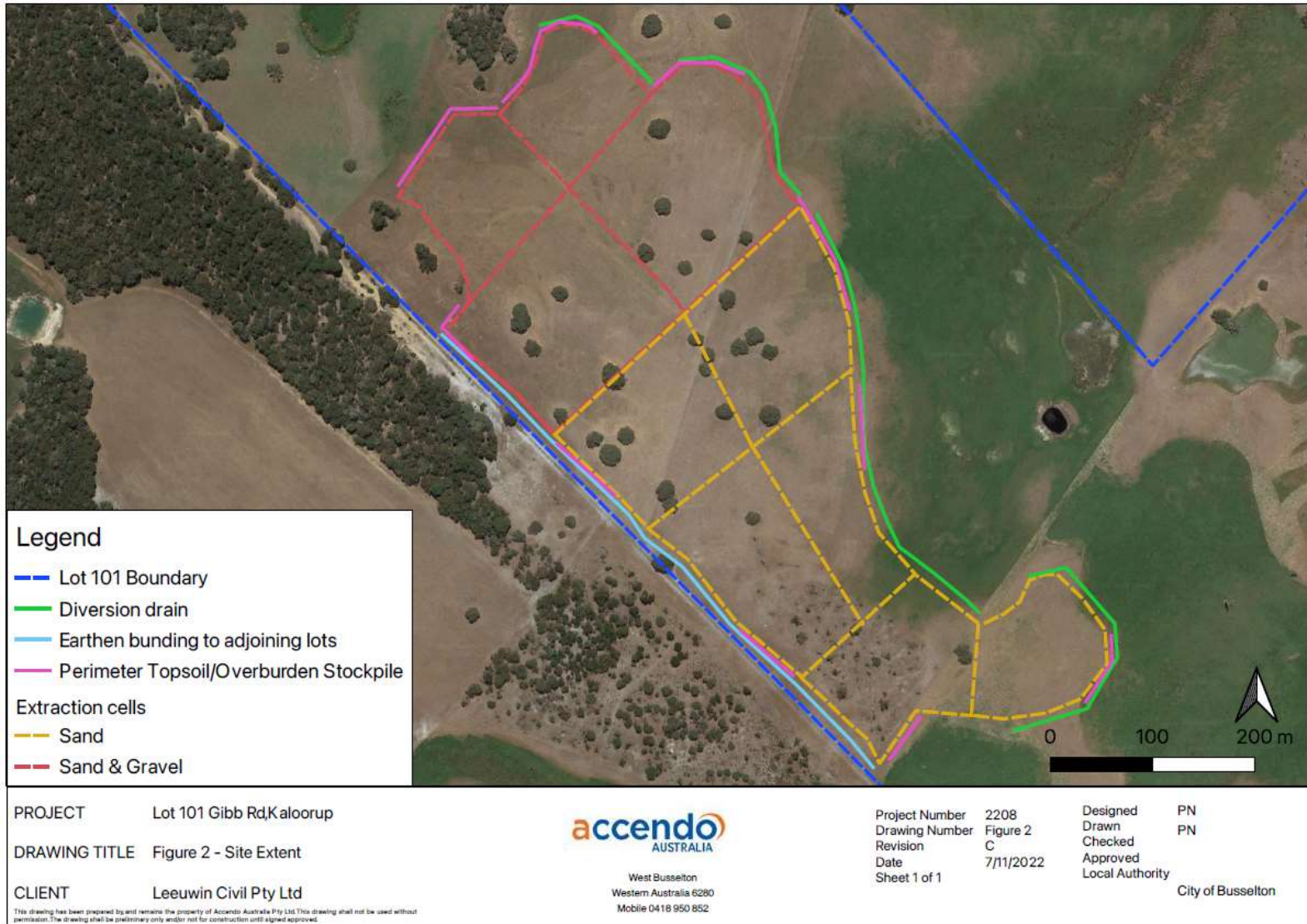
## Premises map

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



**Figure 1: Boundary of the prescribed premises.**

W6670/2022/1 (18/11/2022)



**Figure 2: Premises layout**

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