



# Works Approval

<b>Works approval number</b>	W2870/2025/1	
<b>Works approval holder</b>	South32 Worsley Alumina Pty Ltd	
<b>ACN</b>	008 905 155	
<b>Registered business address</b>	Gastaldo Road, Allanson WA 6225	
<b>Internal Number</b>	INS-0002870	
<b>Duration</b>	23/05/2025 to	23/05/2028
<b>Date of issue</b>	23/05//2025	
<b>Premises details</b>	<p>Nullaga Mine Development Project – Crushing and screening plants 3 &amp; 4 Boddington WA 6390</p> <p>Legal description - Part of mining tenements: M258SA, M70/25, M70/564, M70/1428 and L70/223. As defined by the premises map in Schedule 1 and the coordinates in Schedule 2.</p>	

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i> )	Assessed production capacity
Category 12: Screening etc. of material: premises (other than premises within category 5 or 8) on which material is extracted from the ground is screened, washed, crushed. Ground, milled, sized or separated.	700,000 tonnes per year

This works approval is granted to the works approval holder, subject to the attached conditions, on 23 May 2025, by:

MANAGER, RESOURCES INDUSTRIES  
ENVIRONMENTAL 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
23/05/2025	W2870/2025/1	Works approval granted (APP-0026590).

## 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 / installation requirements; and
  - (c) at the corresponding infrastructure location; and
 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 3	(a) Mobile Crushing and Screening Plant to consist of: <ul style="list-style-type: none"> <li>- 1x jaw crusher,</li> <li>- 2x cone crushers,</li> <li>- 1x screener; and</li> <li>- associated conveyors,</li> </ul> installed to manufacturers specifications in general accordance with Figure 2 of Schedule 1; (b) Sound power level of the Mobile crusher and Mobile screen must not exceed 108 dB(A) and 107 dB(A), respectively, when operated independently; (c) Reticulated mist sprays to be installed on conveyors and all material transfer points; (d) Rubber shrouds installed at each mobile crusher (e) 50 kilolitres (kL) raw water tank with surface water pipes leading from the tank to the plant to be installed to provide water to the reticulated mist sprays; (f) A dedicated water cart to be present during installation of the plant to manage dust emissions; (g) All vehicles and mobile machinery involved in the crushing and screening operation to be fitted with non-tonal reversing beepers; and (h) Stormwater management infrastructure to be installed to divert clean stormwater around construction and operational areas for crushing and screening plant, and to capture and retain potentially contaminated	Within the Prescribed Premises boundary as depicted in Figure 1 of Schedule 1.

	Infrastructure	Design and construction / installation requirements	Infrastructure location
		or contaminated stormwater on-site.	
2.	Mobile Crushing and Screening Plant 4	<p>(a) Mobile Crushing and Screening Plant to consist of:</p> <ul style="list-style-type: none"> <li>- 1x jaw crusher,</li> <li>- 2x cone crushers,</li> <li>- 1x screen; and</li> <li>- associated conveyors,</li> </ul> <p>installed to manufacturers specifications in general accordance with Figure 2 of Schedule 1;</p> <p>(b) Sound power level of the Mobile crusher and Mobile screen must not exceed 108 dB(A) and 107 dB(A), respectively, when operated independently;</p> <p>(c) Reticulated mist sprays to be installed on conveyors and all material transfer points;</p> <p>(d) Rubber shrouds installed at appropriate locations at each mobile crusher;</p> <p>(e) 50 kL raw water tank with surface water pipes leading from the tank to the plant to be installed to provide water to the reticulated mist sprays;</p> <p>(f) A dedicated water cart to be present during installation of the plant to manage dust emissions;</p> <p>(g) All vehicles and mobile machinery involved in the crushing and screening operation to be fitted with non-tonal reversing beepers; and</p> <p>(h) Stormwater management infrastructure to be installed to divert clean stormwater around construction and operational areas for crushing and screening plant, and to capture and retain potentially contaminated or contaminated stormwater on-site.</p>	Within the Prescribed Premises boundary 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 crushing/screening plant operator and/or fitter that the crushing and screening plant 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 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 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	Design and construction / installation requirements	Infrastructure location
1.	Mobile Crushing and Screening Plant 3 and 4	<ul style="list-style-type: none"> <li>(a) All installed reticulated mist sprays must be maintained and operated during crushing and screening activity to minimise dust emissions;</li> <li>(b) Rubber shrouds installed at appropriate locations at each mobile crusher;</li> <li>(c) Plants to be maintained in accordance with manufactures specifications;</li> <li>(d) 2 x dedicated water carts, each with a holding capacity of up to 15 kL, to be available at all times for each crushing and screening plant, operated to precondition feed material for the crushers to minimise dust emissions; and</li> </ul>	Within the Prescribed Premises boundary as depicted in Figure 1 of Schedule 1.

	Site infrastructure and equipment	Design and construction / installation requirements	Infrastructure location
		(e) Stormwater management infrastructure maintained to divert clean stormwater around operational areas and capture potentially contaminated or contaminated stormwater generated within the crushing and screening operating areas from being released into the environment.	
2.	Mobile machinery and vehicles	(a) Vehicles and mobile machinery associated with the plant to be fitted with non-tonal reversing beepers.	Within the Prescribed Premises boundary as depicted in Figure 1 of Schedule 1.

7. The works approval holder must ensure that no visible dust generated from the crushing and screening activities crosses the boundary of the premises.

### Noise monitoring during time limited operations

8. Within 14 days of the commencement date of time limited operations, as specified in condition 4, the works approval holder must retain the services of a suitably qualified acoustics professional to:
- investigate the nature and extent of noise emissions from the premises during the normal operation of the Mobile Crushing and Screening Plants 3 and 4 (as specified in condition 6) during night-time hours; and
  - assess noise emissions in accordance with the methodology required in the *Environmental Protection (Noise) Regulations 1997*, the compliance of the noise emissions from crushing and screening activities against the relevant assigned noise levels specified in the *Environmental Protection (Noise) Regulations 1997*.
9. The works approval holder must, within 60 calendar days of undertaking the investigation required by condition 8, prepare and submit to the CEO a report on the investigation.
10. The report required by condition 9 must include, as a minimum, the following:
- description of the methods used to investigate and monitor noise emissions, including the monitoring locations, monitoring duration, and frequency, as well as justification for these methods;
  - details and results of the investigation undertaken pursuant to condition 8(a);
  - details and results of the assessment of the noise emissions from the crushing and screening activities, against the relevant assigned noise levels in the *Environmental Protection (Noise) Regulations 1997* undertaken pursuant to condition 8(b).
11. Where the assessment pursuant to condition 8 indicates that noise emissions from crushing and screening activities do not comply with the relevant assigned noise levels in the *Environmental Protection (Noise) Regulations 1997*, the works approval holder must:
- within 14 calendar days, prepare and implement a plan to demonstrate the operation of Mobile Crushing and Screening Plants 3 and 4 will no longer lead

to any contravention of the *Environmental Protection (Noise) Regulations 1997*; and

- (b) provide to the CEO the plan prepared pursuant to condition 11(a).

### Compliance reporting

12. 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 the sooner.
13. The works approval holder must ensure the report required by condition 12 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 condition of the works approval; 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 (general)

14. 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.
15. 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 6;
  - (b) any maintenance of infrastructure that is performed in the course of complying with condition 6; and
  - (c) complaints received under condition 14.
16. The books specified under condition 15 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</i> (WA).
EP Regulations	<i>Environmental Protection Regulations 1987</i> (WA).
monthly period	means a one-month period commencing from the first day of a month until the last day of the same month.
night-time hours	Means from 2200 hours on any day to 0700 hours (Monday to Saturday) or 0900 hours (Sunday and public holidays), in accordance with regulation 8(3) of the <i>Environmental Protection (Noise) Regulations 1997</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.
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.



Term	Definition
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.

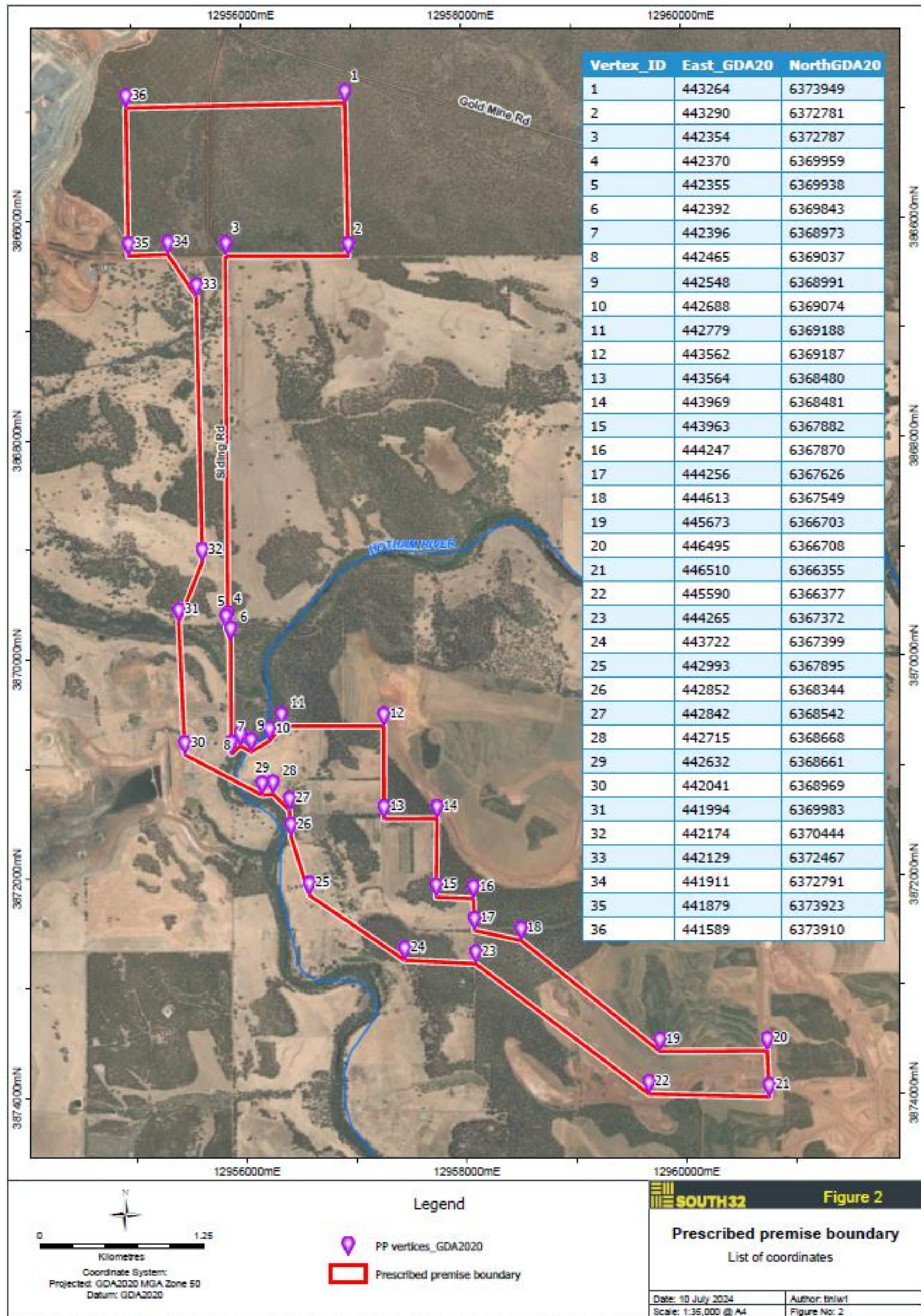


Figure 1: Map of the boundary of the prescribed premises

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



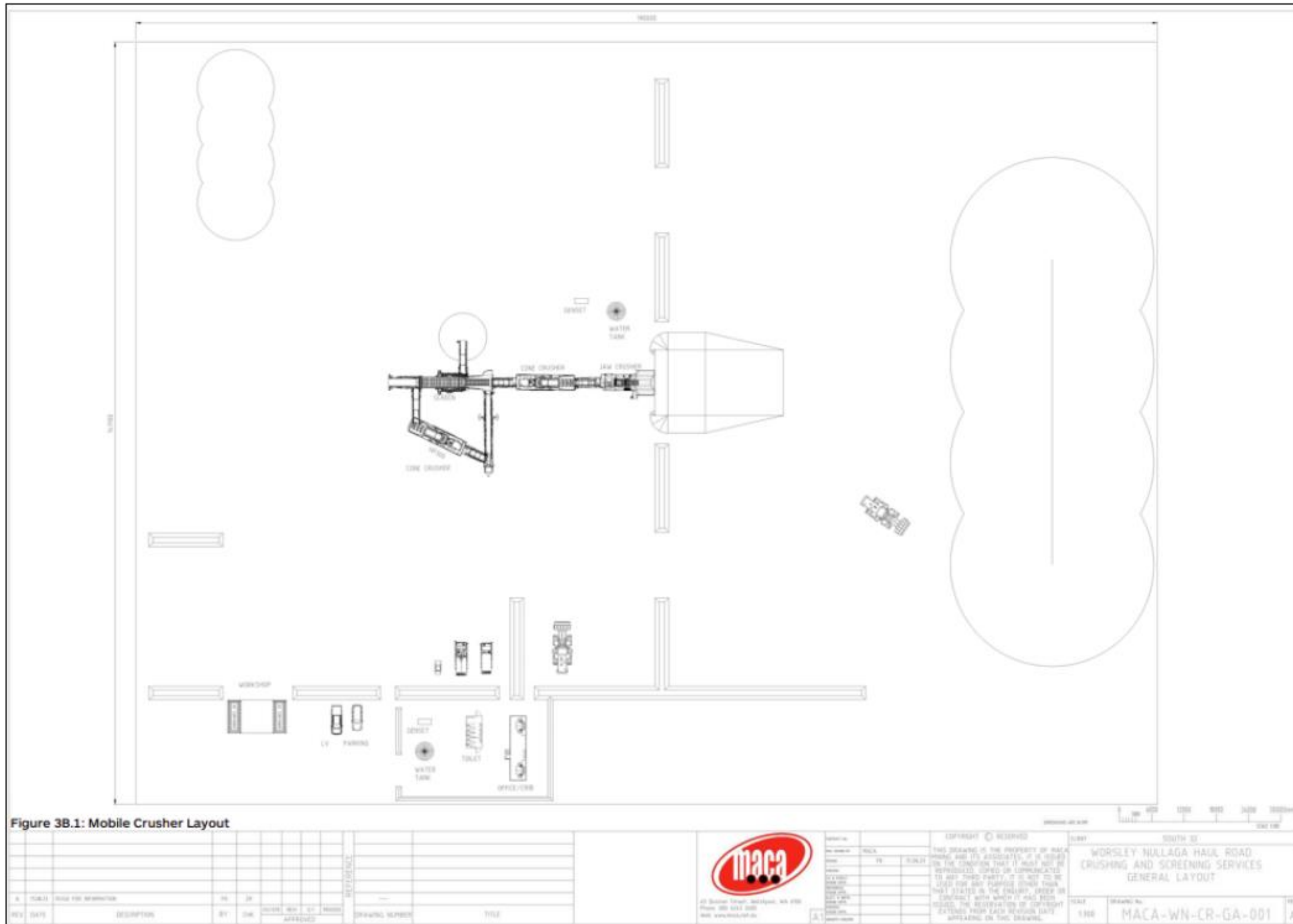


Figure 2: Mobile crushing and screening plant layout

## Schedule 2: Premises boundary

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

**Table 4: Premises boundary coordinates (GDA2020)**

	<b>Easting</b>	<b>Northing</b>	<b>Zone</b>
1.	443264	6373949	50
2.	443290	6372781	50
3.	442354	6372787	50
4.	442370	6369959	50
5.	442355	6369938	50
6.	442392	6369843	50
7.	442396	6368973	50
8.	442465	6369037	50
9.	442548	6368991	50
10.	442688	6369074	50
11.	442779	6369188	50
12.	443562	6369187	50
13.	443564	6368480	50
14.	443969	6368481	50
15.	443963	6367882	50
16.	444247	6367870	50
17.	444256	6367626	50
18.	444613	6367549	50
19.	445673	6366703	50
20.	446495	6366708	50
21.	446510	6366355	50
22.	445590	6366377	50
23.	444265	6367372	50

24.	443722	6367399	50
25.	442993	6367895	50
26.	442852	6368344	50
27.	442842	6368542	50
28.	442715	6368668	50
29.	442632	6368661	50
30.	442041	6368969	50
31.	441994	6369983	50
32.	442174	6370444	50
33.	442129	6372467	50
34.	441911	6372791	50
35.	441608	6372779	50
36.	441589	6373910	50