



Works approval number W6412/2020/1

Works approval holder Leeuwin Civil Pty Ltd
ACN 117 828 789
Registered business address 995 Gale Road, Kaloorup, WA, 6280
DWER file number DER2018/001042

Duration 29 April 2021 to 28 April 2024

Date of issue 29 April 2021

Premises details Leeuwin Civil Gravel Pit / Crushing and Screening Facility
Lot 2 and 3 Nuttman Road
CHAPMAN HILL 6280
Certificate of Title Volume 1624, Folio 634

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 extracted from the ground is screened, washed, crushed, ground, milled, sized or separated.	50 000 tonnes per year
Exclusions	
No clearing of native vegetation is approved under this Works Approval. All clearing to be assessed/approved under Clearing Permit 8746/1	

This works approval is granted to the works approval holder, subject to the attached conditions, on 29 April 2021, by:

Terrel MacGregor
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
29 April 2021	W6412/2020/1	This works approval to construct a crushing and screening facility (Category 12).

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 as set out in [Table 2](#).

Compliance reporting

2. The works approval holder must within 14 calendar days of an item of infrastructure and/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 that the crushing and screening 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 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 3](#) and located at the corresponding infrastructure location is maintained and operated in accordance with the corresponding operational requirement set out in [Table 3](#).
7. The works approval holder must ensure that no visible dust generated from the primary activities crosses the boundary of the premises.
8. The works approval holder must ensure that operations at the premises only occur between the hours of 07:00 to 19:00, and on the days Monday through to Saturday.

Monitoring during time limited operations

9. Within 7 days of the commencement of time limited operations the works approval holder must retain the services of a person qualified and experienced in the area of environmental noise assessment and who by their qualifications and experience is eligible to hold membership of the Australian Acoustical Society or the Australian Association of Acoustical Consultants to:
 - (a) investigate the nature and extent of noise emissions from the premises including undertaking noise monitoring during normal operations at the lot boundary of the closest noise sensitive human receptor;
 - (b) assess in accordance with the methodology required in the *Environmental Protection (Noise) Regulations 1997*, the compliance of the noise emissions from the primary activities, against the relevant assigned levels specified in those Regulations; and
 - (c) compile and submit to the works approval holder within one month of the commencement date of this works approval a report in accordance with condition 10.

Compliance reporting

10. A report prepared pursuant to condition 9(c) is to include:
 - (a) a description of the methods used for monitoring and/or modelling of noise emissions from the premises;
 - (b) details and the results of the investigation undertaken pursuant to condition 9(a); and
 - (c) details and results of the assessment of the noise emissions from the premises, against the relevant assigned levels in the *Environmental Protection (Noise) Regulations 1997* undertaken pursuant to condition 9(b).
11. The works approval holder must submit to the CEO the report prepared pursuant to condition 9(c) within 7 days of receiving it.
12. Where an assessment pursuant to condition 9(b) indicates that noise emissions do not comply with the relevant assigned levels in the *Environmental Protection (Noise) Regulations 1997*, the license holder must:
 - (a) cease time limited operations for the infrastructure specified in condition 6;
 - (b) within 21 days of receiving an assessment report pursuant to condition 9(c) prepare a plan to ensure the undertaking of the licensed activity will no longer lead to any contravention of the *Environmental Protection (Noise) Regulations 1997*; and

- (c) provide to the CEO a copy of the plan prepared pursuant to condition 12(b) within 30 days of its preparation.
- 13. A report prepared pursuant to condition 12(b) is to include timeframes for the completion of additional noise mitigation measures.
- 14. The works approval holder may recommence time limited operations of the infrastructure specified in condition 1 upon implementation of all noise mitigation measures identified in accordance with condition 12(b).
- 15. Where operations are recommenced in accordance with condition 14, the works approval holder must notify the CEO in writing a minimum of 48 hours prior to recommencing time limited operations.
- 16. 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.
- 17. The works approval holder must ensure the report required by condition 13 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; 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)

- 18. 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.
- 19. 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) monitoring programmes undertaken in accordance with condition 9; and
 - (d) complaints received under condition 18.
- 20. The books specified under condition 19 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 1](#) have the meanings defined.

Table 1: 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 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/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).
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.
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 prescribed premises boundary and key infrastructure areas are shown in the map below (Figure 1).

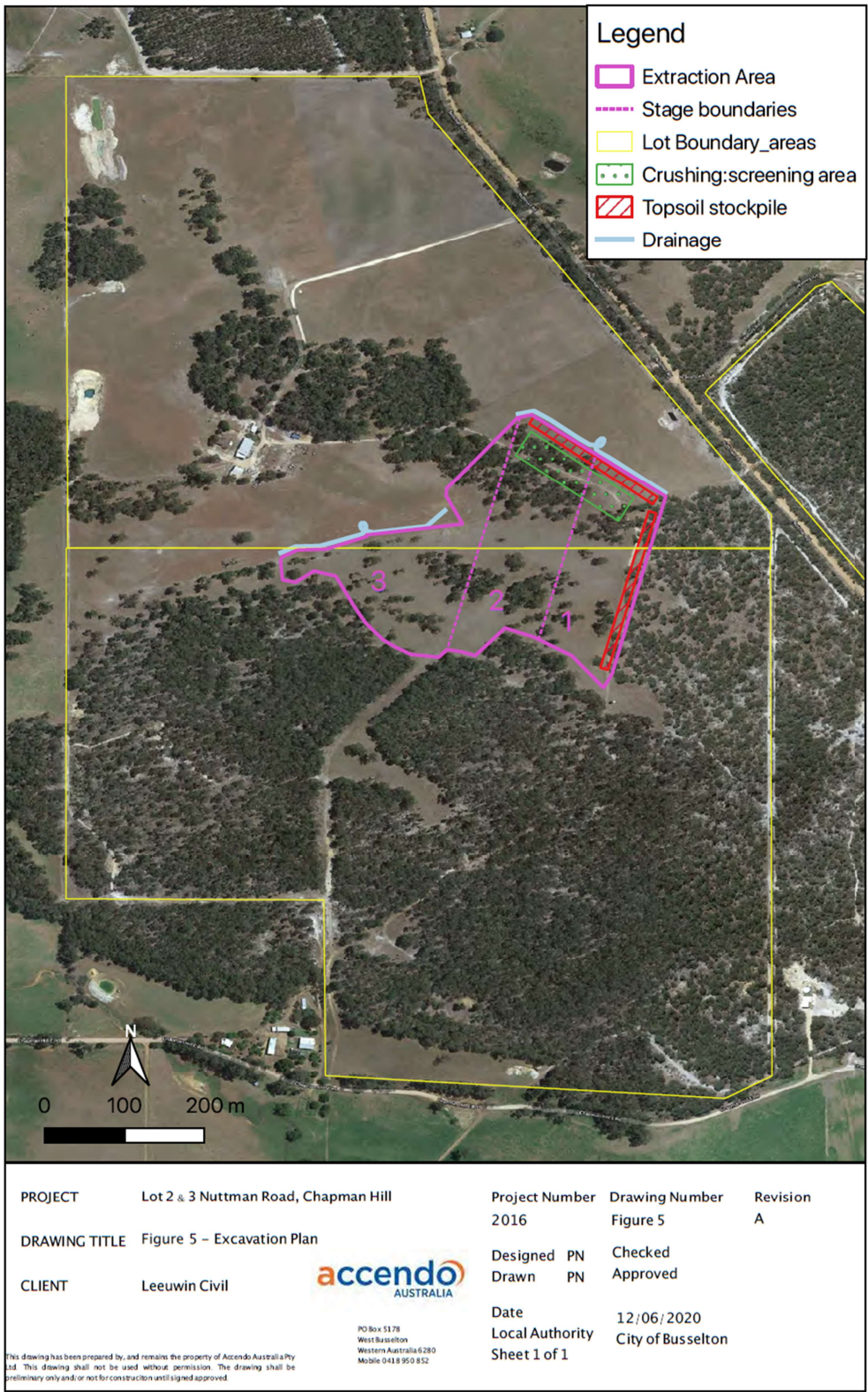


Figure 1: Map of the boundary of the prescribed premises and Site Layout

Noise bunds are shown in figures 2 and 3 below

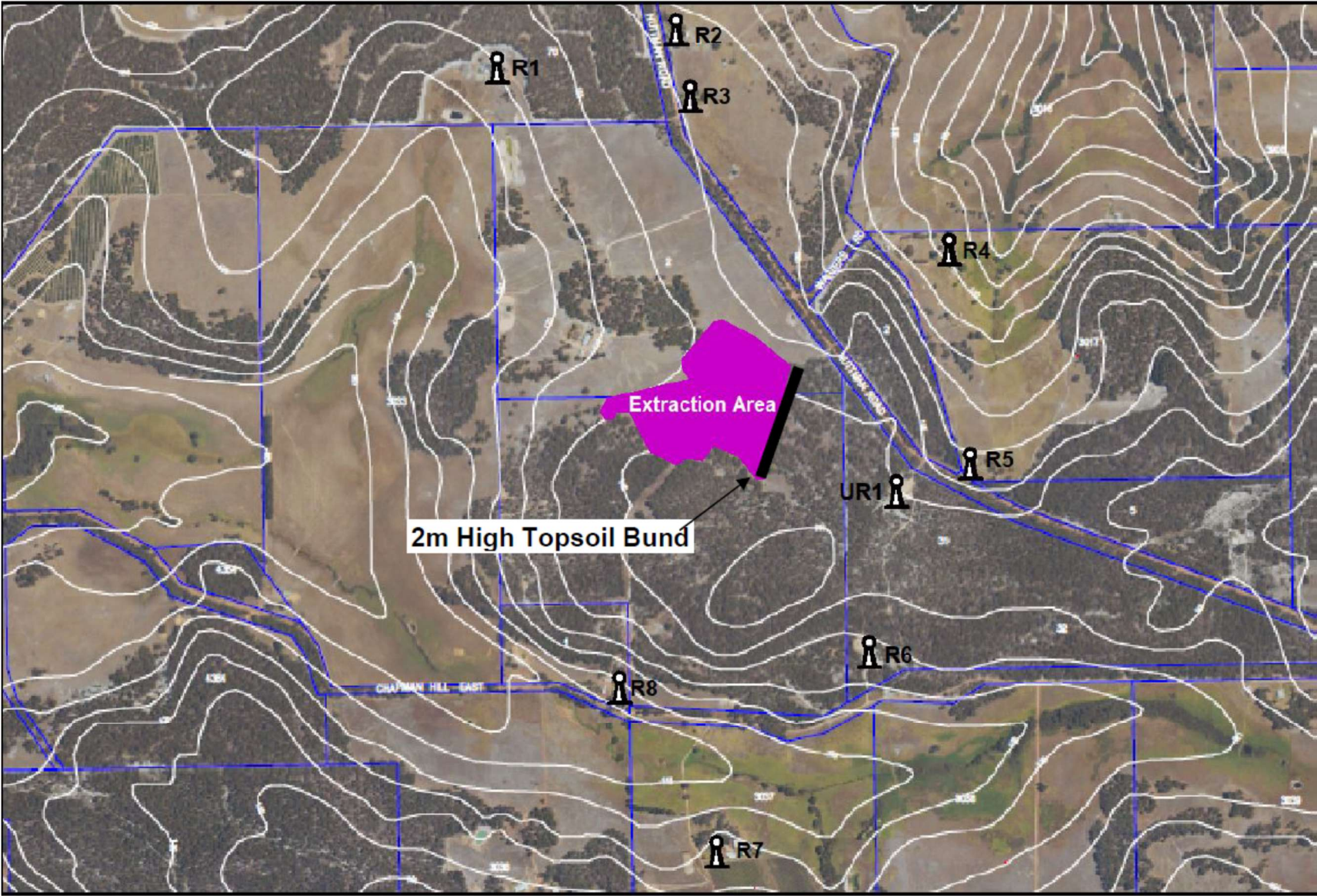


Figure 2: Location of 2m high topsoil bund

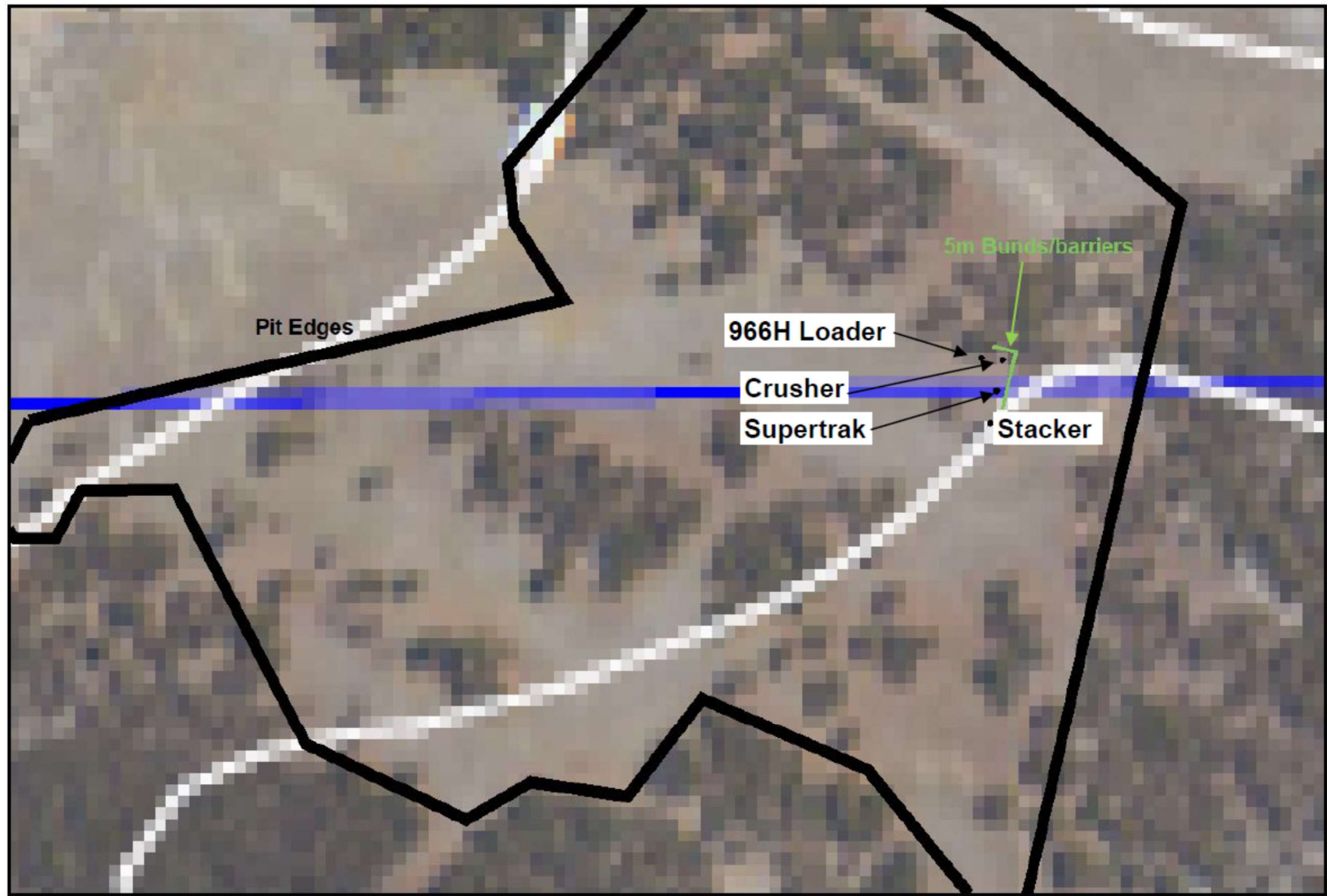


Figure 3: Location of 5m L-shaped noise bund

Schedule 2: Design and construction/installation requirements

Table 2: Design and construction / installation requirements

	Infrastructure and Equipment	Design and construction / installation requirements	Infrastructure location
1.	Mobile crushing and screening plant (including conveyor)	<ul style="list-style-type: none"> Crushing and screening plant to be fitted with dust covers Water carts, or equivalent, must be available to effectively wet down the area of approved activities and stockpiles of material. 	The area defined as 'crushing:screening area' as shown in Figure 1 of Schedule 1: Maps .
2.	Mobile machinery and vehicles	<ul style="list-style-type: none"> Have flashing lights/broadband alarms instead of tonal reversing alarms 	Shown in Figure 1 of Schedule 1: Maps .
3.	Noise bunds	<ul style="list-style-type: none"> Five metre high L shaped noise bund constructed of topsoil and overburden positioned to shield noise sensitive premises to the north and east of the extent of the crushing and screening area. Two metre high noise bund constructed of topsoil and overburden to be located on the east pit edge 	Shown in Figure 2 and Figure 3 of Schedule 1
4.	Cut off drains and holding/detention ponds for storm water management	<ul style="list-style-type: none"> Cut-off drains located and designed to direct storm water to the holding/detention pond/s. Holding/detention ponds sized to retain storm water runoff from a two-hour 10 year average return interval rainfall event. 	Shown in Figure 1 of Schedule 1: Maps.

Schedule 3: Time Limited Operations Requirements

Table 3: Infrastructure and equipment requirements during time limited operations

	Site infrastructure and equipment	Operational requirement	Infrastructure location
1.	Crushing and screening plant and vehicles Noise bunds	<ul style="list-style-type: none"> The crusher and screening plant to be located on the pit floor (2 meters below natural ground level) Positioned so that a two metre high noise bund is between the crushing and screening plant and noise sensitive premises to the north and east of the extent of the crushing and screening area. Positioned so that a five metre high L shaped noise bund is between the crushing and screening plant and noise sensitive premises to the north and east of the extent of the crushing and screening area. The distance between the five metre L-shaped bund and the plant should be no more than three metres Water carts, or equivalent, must be available to effectively wet down the area of approved activities and stockpiles of material. In each cell finished product is to be stockpiled to the east, to a height of four metres from the bottom of the pit. 	Shown in Figure 2 and Figure 3 of Schedule 1