



Licence number	L6798/1993/12
Licence holder	TT Sand Pty Ltd
ACN	064 072 322
Registered business address	Suite 5 363-367 Albany Highway VICTORIA PARK 6100
DWER file number	DER2015/000288-1
Duration	23/04/2021 to 08/06/2035
Date of issue	08/04/2021
Premises details	Mindijup Silica Sand Mine 570 Mindijup Road PALMDALE WA 6330 Being Mining Tenement M 70/793 Legal description - Lot 5 on Plan 62329 Certificate of Title Volume 1629 Folio 660 As defined by the premises map in Schedule 1

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed production / design capacity
Category 5: Processing or beneficiation of metallic or non-metallic ore: premises on which — (a) metallic or non-metallic ore is crushed, ground, milled or otherwise processed; or (b) tailings from metallic or non-metallic ore are reprocessed; or (c) tailings or residue from metallic or non-metallic ore are discharged into a containment cell or dam.	460,000 tonnes per annual period

This licence is granted to the licence holder, subject to the attached conditions, on 4 December 2023, by:

Steve Checker

**MANAGER, WASTE INDUSTRIES
REGULATORY SERVICES**

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

[L6798/1993/12 \(Date of Amendment 4/12/2023\)](#)

Licence history

Date	Reference number	Summary of changes
25/01/1996	L6534/1	First licence issued by EPA.
06/03/1997	L6798/1	Licence issued by DEP.
17/06/1998	L6798/2	Licence reissued.
09/03/1999	L6798/3	Licence reissued.
18/04/2000	L6798/4	Licence reissued.
12/04/2001	L6798/5	Licence reissued.
16/04/2002	L6798/6	Licence reissued for 2 years.
29/04/2004	L6798/7	Licence reissued.
05/04/2005	L6798/8	Licence reissued.
01/10/2009	L6798/1993/9	Amendment to remove category 12, adjust annual reporting dates, addition of AACR condition and removal of ambient water quality monitoring conditions.
01/04/2010	L6798/1993/10	Licence reissued.
19/03/2015	L6798/1993/11	Licence reissued for 5 years. Converted to new format.
08/04/2021	L6798/1993/12	Licence renewal. Expiry date extension from 22 April 2021 to 8 June 2035.
04/12/2023	L6798/1993/12	Amendment to increase category 5 throughput from 250,000 to 460,000 tonnes per year. Premises map updated to reflect current activity boundary.

Interpretation

In this licence:

- (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 licence:
 - (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 licence requires specific conditions to be met but does not provide any implied authorisation for other emissions, discharges, or activities not specified in this licence.

Licence conditions

The licence holder must ensure that the following conditions are complied with:

Infrastructure

1. The licence holder must ensure that the premises infrastructure listed in Table 1 and located at the corresponding infrastructure location is maintained and operated in accordance with the corresponding operational requirements set out in Table 1.

Table 1: Infrastructure and equipment operational requirements

Site infrastructure and equipment	Operational requirements	Infrastructure location
Screening plant	<ul style="list-style-type: none"> Must only operate at the location specified in Schedule 1, Figure 3. In dry conditions, any dust generated must be managed by wetting the feed stockpile. 	Labelled as 'screening plant' in Schedule 1, Figure 3.
Processing plant	Must only operate at the location specified in Schedule 1, Figure 3.	Labelled as 'processing plant' in Schedule 1, Figure 3.

2. The licence holder must:
 - (a) undertake inspections during periods of operation as detailed in Table 2;
 - (b) where any inspection identifies that an appropriate level of environmental protection is not being maintained, take corrective action to mitigate adverse environmental consequences as soon as practicable; and
 - (c) maintain a record of all inspections undertaken

Table 2: Inspection of infrastructure

Scope of inspection	Type of inspection	Frequency of inspection
Processing plant pipelines and infrastructure	Visual integrity to confirm pipelines and containment infrastructure are free of leaks and defects	Daily when operating
Screening plant pipelines and infrastructure	Visual integrity to confirm pipelines and containment infrastructure are free of leaks and defects	Daily when operating
Tailings Storage Facility pipelines	Visual integrity to confirm pipelines are free of leaks and defects	Daily when operating

Emissions

3. The licence holder must ensure that no visible dust generated from the primary activities crosses the boundary of the premises.
4. The licence holder must manage dust generation at the premises by:
 - (a) limiting all vehicle traffic within the premises to speeds of less than 35 km/hr;
 - (b) applying water to haul routes and access roads using a water cart so the generation of visible dust from the movement of traffic does not occur;
 - (c) wetting down of stockpiles so the generation of visible dust lift-off does not occur; and
 - (d) limiting stockpile height to 10 m or less.
5. The licence holder must ensure that tailings material in the tailings tipping area and reject material returned to the mining void is covered with coarse material and / or kept in a damp state so the generation of visible dust does not occur.

Ambient air quality

6. Prior to ground disturbing, or potentially dust-generating activity expanding east into the area defined in Figure 2, the licence holder must develop a revised dust management plan and submit the plan to the CEO, 6 months prior to commencement of expansion.
7. The revised dust management plan required by condition 6 must include, but is not limited to:
 - (a) development of a monitoring program that includes continuous real-time quantitative boundary monitoring for PM₁₀ to monitor potential dust impacts to the southeastern receptor (residence 4 in Figure 2);
 - (b) development of a monitoring program for crystalline silica in ambient air to monitor potential impacts at the southeastern receptor (residence 4 in Figure 2);
 - (c) inclusion of baseline air quality parameters as set out in conditions 7(a) and 7(b);
 - (d) baseline air quality parameters in 7(c) based on representative seasonal and worst-case scenario operating conditions taken prior to commencement of dust generating activities;
 - (e) monitoring of ambient air quality as set out in conditions 7(a) and 7(b), during dust generating activities including worst case scenario conditions;
 - (f) monitoring of wind speed and direction;
 - (g) development of short-term trigger levels and associated management actions to be employed to minimise the likelihood of impacts to the southeastern receptor;
 - (h) prevention measures to minimise fugitive dust sources and visible dust as part of daily operations;
 - (i) provisions for continuous improvements in dust management.

8. The licence holder must implement the revised dust management plan required by condition 6 prior to undertaking ground disturbing, or potentially dust generating activities in the area defined in Figure 2.

Records and reporting

9. The licence holder must maintain accurate and auditable books including the following records, information, reports, and data required by this licence:
 - (a) the calculation of fees payable in respect of this licence;
 - (b) complaints received under condition 12 of this licence;
 - (c) records of inspections required under condition 2(c) of this licence;
10. The books specified under condition 9 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 licence holder for the duration of the licence; and
11. The licence holder must:
 - (a) undertake an audit of their compliance with the conditions of this licence during the preceding annual period; and
 - (b) prepare and submit to the CEO an Annual Audit Compliance Report in the approved form by 31 January each year for the previous annual period.
12. The licence holder must record the following information in relation to complaints received by the licence 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 licence holder to investigate or respond to any complaint.

- 13.** The licence holder must submit to the CEO an environmental report by 31 January each year. The report shall contain the information listed in Table 3 in the format or form specified in that table for the previous annual period.

Table 3: Environmental reporting requirements

Condition	Requirement	Format or form ¹
-	Summary of any failure or malfunction of any pollution control equipment and any environmental incidents that have occurred during the annual period and any action taken	None specified
-	A copy of the annual report submitted to the Department of Mines, Industry Regulation and Safety as required by Mining Lease M70/793	
Condition 11	Compliance	Annual Audit Compliance Report (AACR)
Condition 12	Complaints summary	None specified

Note 1: Forms are available on the Department's website.

- 14.** The licence holder must ensure that the parameters listed in Table 4 are notified to the CEO in accordance with the notification requirements of the table.

Table 4: Notification requirements

Parameter	Notification requirement ¹	Format or form ²
Any failure or malfunction of any pollution control equipment or any incident, which has caused, is causing or may cause pollution	Part A: As soon as practicable but no later than 5 pm of the next usual working day Part B: As soon as practicable	N1

Note 1: Notification requirements in the Licence shall not negate the requirement to comply with s72 of the Act.

Note 2: N1 form is in Schedule 2.

Definitions

In this licence, the terms in Table 5 have the meanings defined.

Table 5: Definitions

Term	Definition
ACN	Australian Company Number
Annual Audit Compliance Report (AACR)	means a report submitted in a format approved by the CEO (relevant guidelines and templates may be available on the Department's website).
annual period	a 12 month period commencing from 1 January until 31 December in each year.
approved form	means the Annual Audit Compliance Report (AACR) form template approved by the CEO for use and available via DWER's external website.
books	has the same meaning given to that term under the EP Act.
CEO	means Chief Executive Officer of the Department. "submit to / notify the CEO" (or similar), means either: Director General Department administering the <i>Environmental Protection Act 1986</i> Locked Bag 10 Joondalup DC WA 6919 or: info@dwer.wa.gov.au
condition	a condition to which the licence is subject under section 62 of the <i>Environmental Protection Act 1986</i> (WA)
Department	means the department established under section 35 of the <i>Public Sector Management Act 1994</i> (WA) and designated as responsible for the administration of the EP Act, which includes Part V Division 3.
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.
EP Act	<i>Environmental Protection Act 1986</i> (WA)
ground disturbing activity	any activity that disturbs the surface of the ground.
licence	refers to this document, which evidences the grant of a licence by the CEO under section 57 of the EP Act, subject to the specified conditions contained within.
licence holder	refers to the occupier of the premises, being the person specified on the front of the licence as the person to whom this licence has been granted.
PM ₁₀	means particles with an equivalent aerodynamic diameter of less than 10 µm.
premises	refers to 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

Term	Definition
	to this licence.
prescribed premises	has the same meaning given to that term under the EP Act.
Schedule 1	means Schedule 1 of this licence unless otherwise stated.
Schedule 2	means Schedule 2 of this licence unless otherwise stated.

END OF CONDITIONS

Schedule 1: Maps

Premises map

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

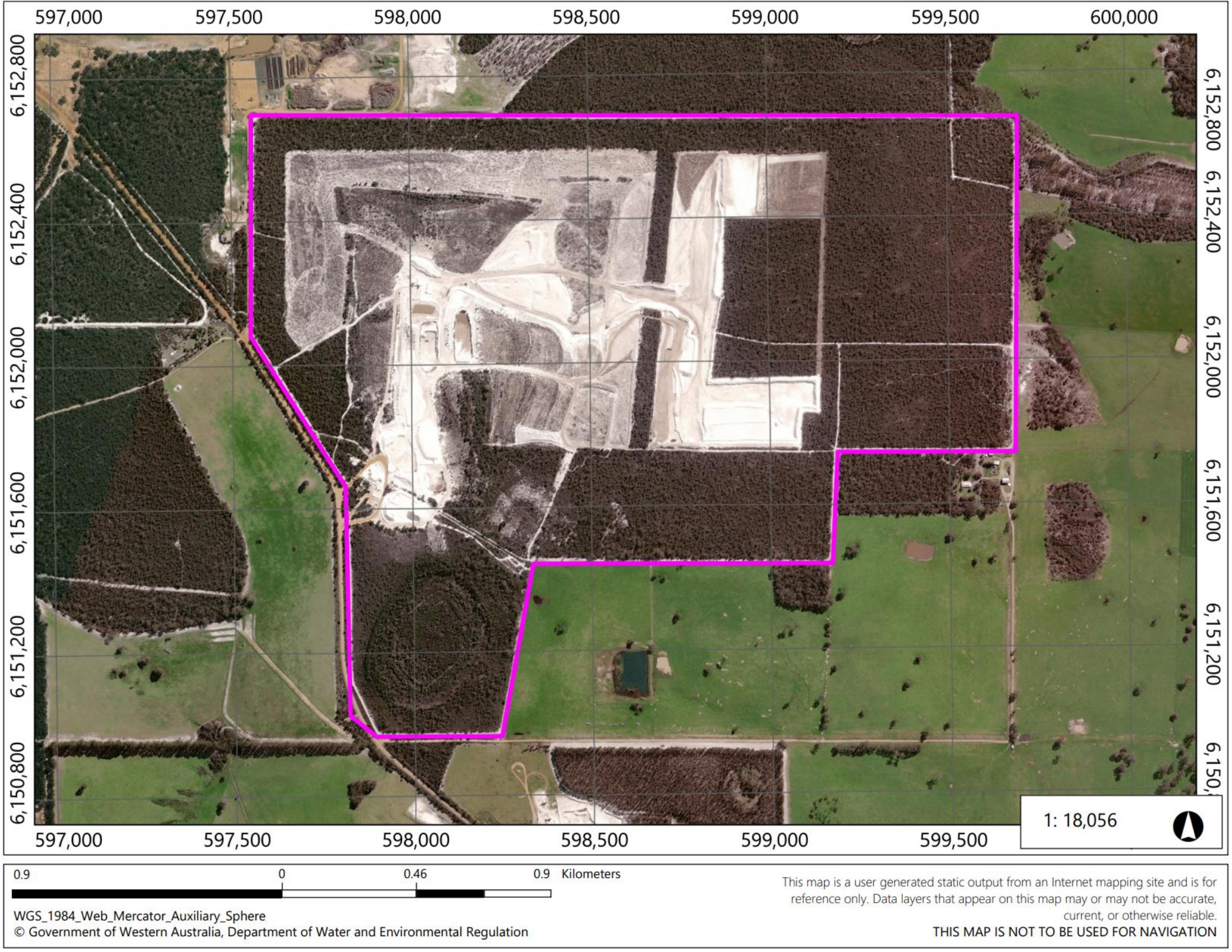


Figure 1: Map of the boundary of the prescribed premises

L6798/1993/12 (Date of Amendment 4/12/2023)

IR-T06 Licence template (v8.0) (September 2022)

Premises map – Area requiring Revised Dust Management Plan submission

The boundary of the area where ground disturbing or potentially dust generating activities requires a Revised Dust Management Plan (DMP) submission (condition 6) is shown in the shaded blue area in the map below (Figure 2).

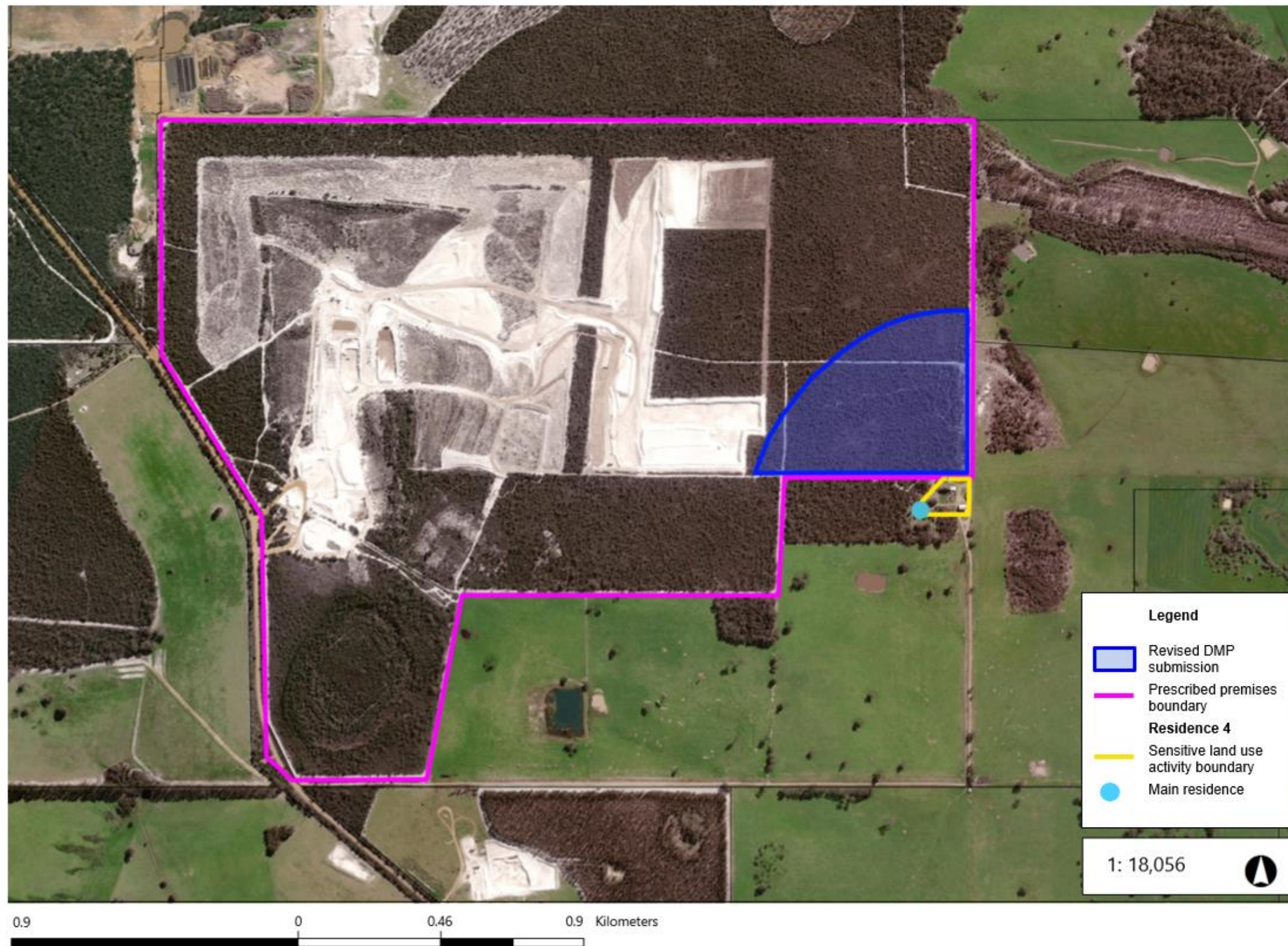


Figure 2: Map of prescribed premises showing location of residence 4 and the area where ground disturbing or potentially dust-generating activities requires a Revised Dust Management Plan submission.

Site plan map

The location of the screening plant, processing plant, access roads, stockpiles, tailings storage, remnant vegetation, rehabilitation areas and future clearing areas are shown in the map below (Figure 3).

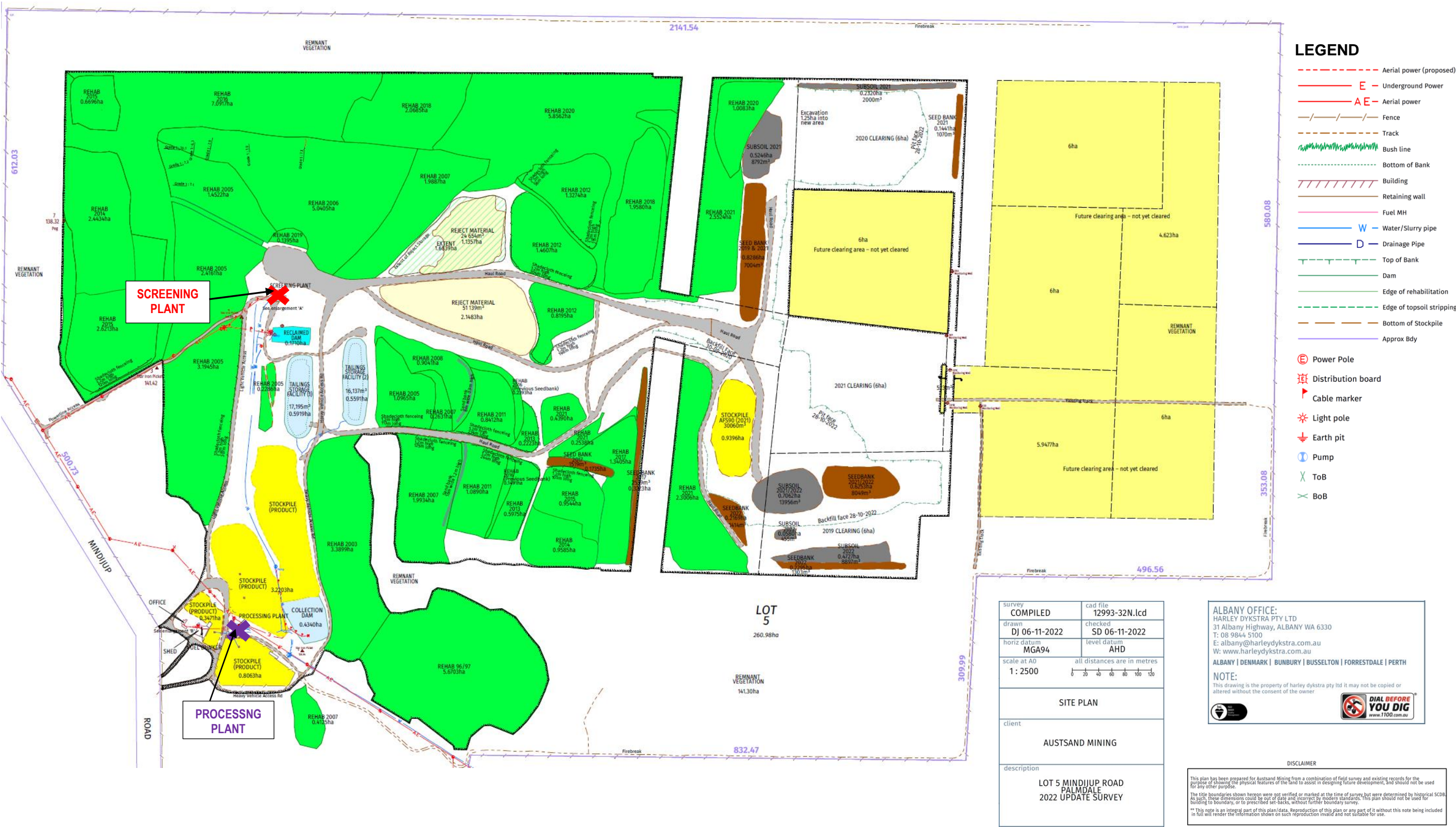


Figure 3: Site plan showing location of processing plant (purple marker), screening plant (red marker), site infrastructure and vegetation.

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IR-T06 Licence template (v8.0) (September 2022)

Screening plant map

The screening plant and associated infrastructure (location shown in Figure 3) is shown in detail in the map below (Figure 4).

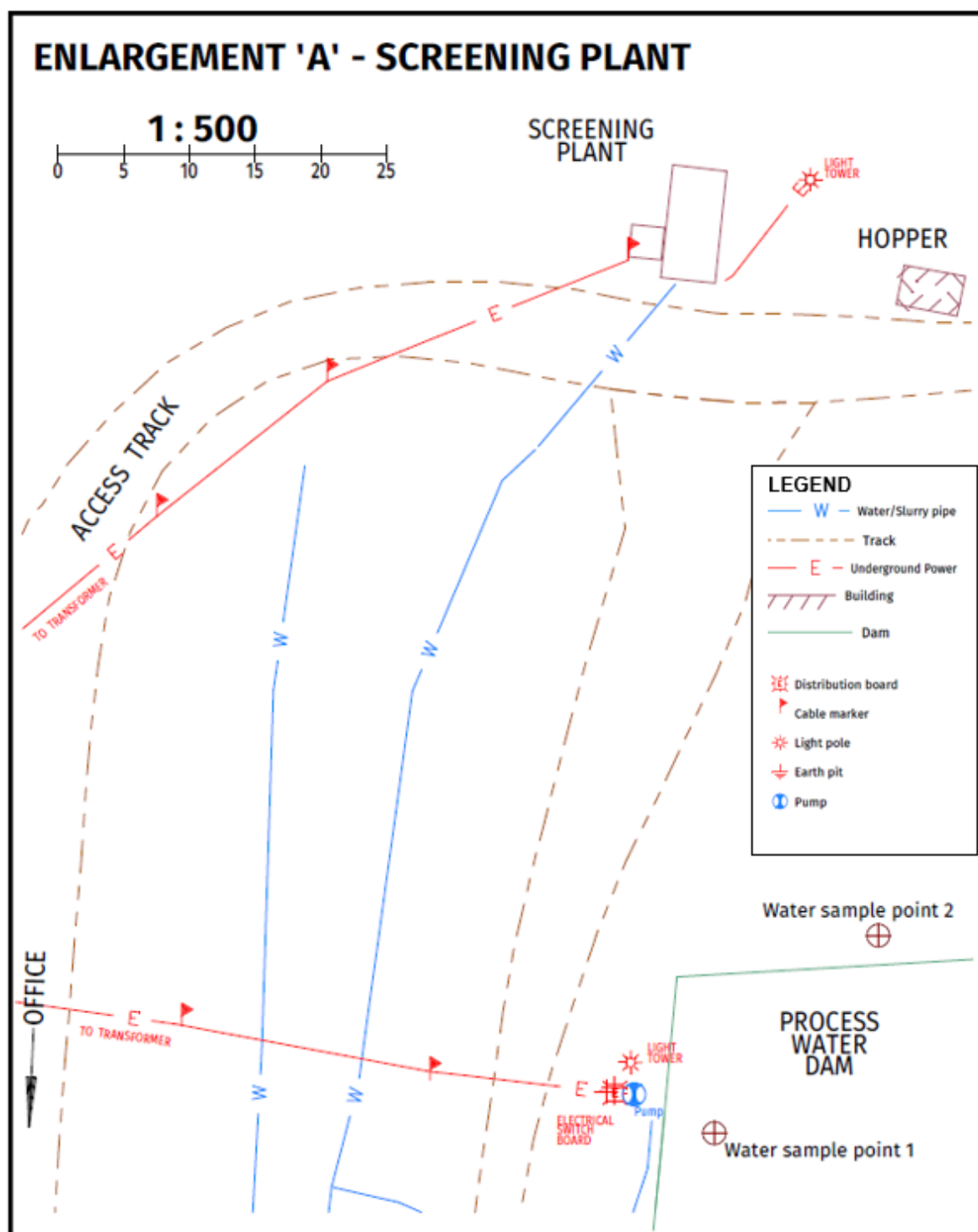


Figure 4: Screening plant and associated infrastructure.

Processing plant, workshop and office map

The processing plant and site infrastructure (location shown in Figure 3) is shown in detail in the map below (Figure 5).

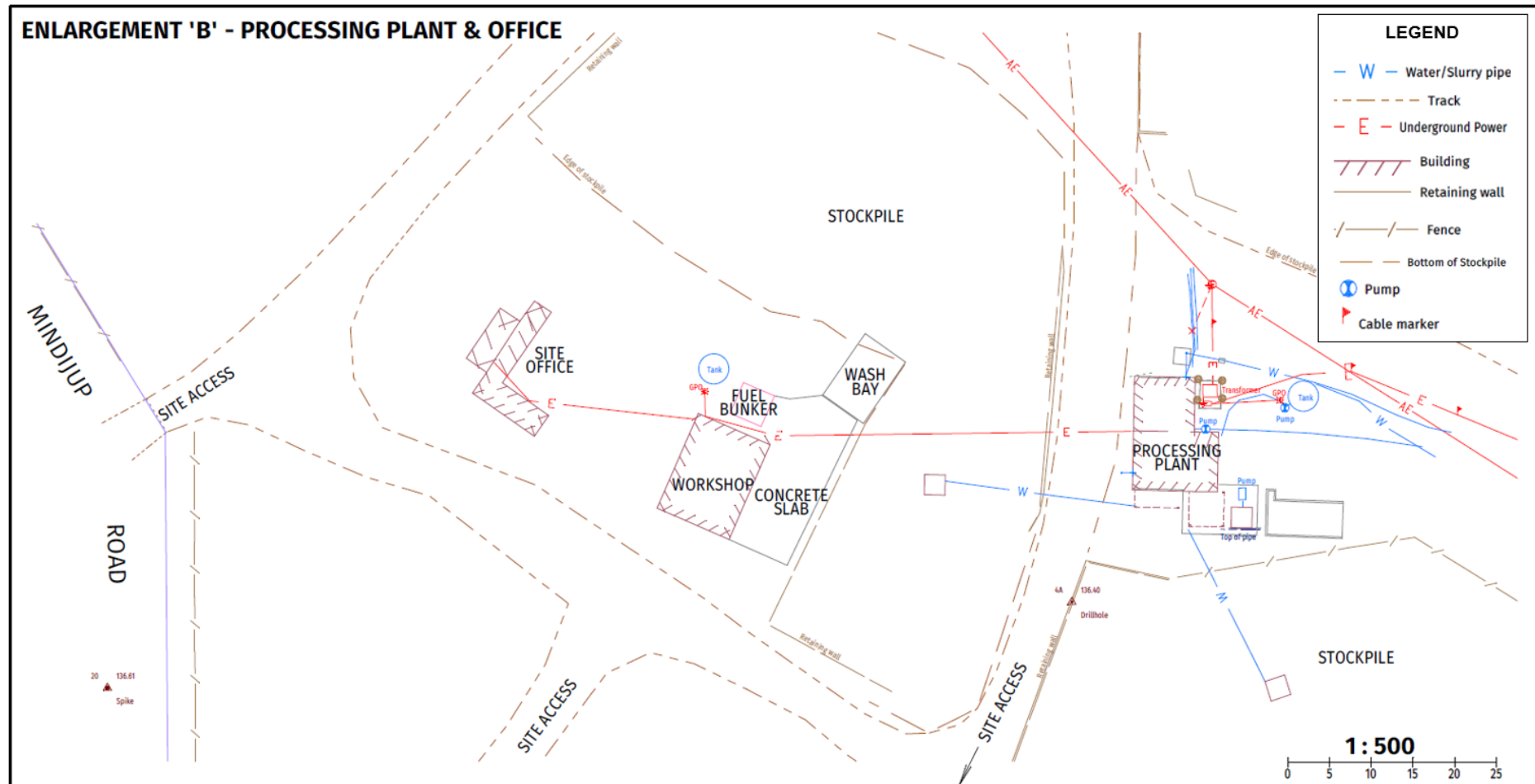


Figure 5: A detailed layout of the processing plant and infrastructure (site office, workshop, roads, pipelines, pumps and tanks) in close proximity to the processing plant.

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IR-T06 Licence template (v8.0) (September 2022)

Schedule 2: Reporting & notification forms

N1 form

The licence holder is to submit this form in accordance with the requirements of this licence



Government of **Western Australia**
Department of **Water and Environmental Regulation**

Licence:

Licence holder:

Form: N1

Date of breach:

Notification of detection of the breach of a limit.

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

Part A

Licence number	
Name of operator	
Location of premises	
Time and date of the detection	

Notification requirements for the breach of a limit	
Emission point reference/source	
Parameter(s)	
Limit	
Measured value	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

Part B

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident.	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission.	
The dates of any previous N1 notifications for the premises in the preceding 24 months.	

Name	
Post	
Signature on behalf of licence holder	
Date	