



Licence number	L8877/2015/2
Licence holder	B. & J. Catalano Pty Ltd
ACN (if applicable)	008 961 975
Registered business address	South Western Highway BRUNSWICK JUNCTION WA 6224
DWER file number	DER2015/ 000193-01
Duration	12/11/2020 to 11/11/2025
Date of amendment	10/01/2023
Premises details	Shenton Ridge Gravel Quarry Coalfields Highway ROELANDS WA 6226 Legal description - Being Lot 501 on Plan 26892 and Lot 21 on Plan 10674 As defined by the coordinates in Schedule 2

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed production
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.	156,000 tonnes per annual period

This licence is granted to the licence holder, subject to the attached conditions, on 10 January 2023, by:

Alana Kidd

**MANAGER, RESOURCE INDUSTRIES
REGULATORY SERVICES**

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

Licence history

An overview of the history of the Works Approval and Licences for this prescribed activity at this Premises is provided below.

Date	Reference number	Summary of changes
31/03/2016	W5709/2014/1	Works Approval Granted to expire on 27/10/2020.
23/12/2016	W5709/2014/1	Amendment to give effect to the Ministers decision on appeals for stormwater infrastructure, containment infrastructure and detention basins, diversion drains, contour bunds, cut-off bunds and schedule of storage capacity of detention ponds.
31/03/2017	L8877/2015/1	Licence granted and will expire on 11/11/2020.
06/09/2017	L8877/2015/1	Amendment to alter Prescribed Premises boundary in schedule 1 and the Premises address.
20/10/2020	W5709/2014/1	Works Approval amended to extend expiry date to 11/11/2025.
09/11/2020	L8877/2015/2	Licence renewal granted and will expire on 11/11/2025.
10/01/2023	L8877/2015/2	Licence amendment to include the operation of crushing and screening equipment within a proposed new gravel pit (Stage 12), and the construction of two additional detention basins for the management of stormwater.

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 and equipment

1. The licence holder must:
 - (a) construct the infrastructure;
 - (b) in accordance with the corresponding design and construction requirements; and
 - (c) at the corresponding infrastructure location, as set out in Table 1.

Table 1: Stage 12 Stormwater Containment Infrastructure - Construction

Stage 12 stormwater containment infrastructure	Construction requirement	Infrastructure location
Detention basins 8a and 8b	To be excavated below the working area Constructed with a minimum 2 metre separation distance from the floor of the basin to the maximum seasonal groundwater table Constructed with a minimum storage capacity as defined in Schedule 3	Schedule 1 – Figure 4 Stage 12
Contour bunds and drains	Constructed to divert any surface water into detention basins 8a or 8b Constructed to a grade of between 0.1 and 0.4%	
Cut-off bunds	Constructed to prevent runoff entering mined areas	

2. The licence holder shall maintain stormwater infrastructure fit for purpose in accordance with the operational requirements listed in Table 2.

Table 2: Stormwater Containment Infrastructure - Operation

Stormwater containment infrastructure	Operational requirement	Infrastructure location
Detention basins for Stages 9, 10, 11 and 12	Detention basins 4a, 4b, 4c, 5a, 6a, 6b, 7a, 8a and 8b must be maintained with the minimum storage capacity defined in Schedule 3	Schedule 1 – Figure 4
Diversion drains	Diversion drains are maintained fit for the purpose of directing stormwater that has	

Stormwater containment infrastructure	Operational requirement	Infrastructure location
	overflowed from detention basins 4a, 4b, 4c, 5a, 6a, 6b, 6c, 7a, 8a and 8b to the existing detention pond	
Cut-off bunds	Maintained to prevent run-off entering extraction areas. To be retained until vegetation cover is sufficient to stabilise the ground surface and prevent erosion	
Detention Pond (Clay Pit Dam)	Maintained with a minimum storage capacity of 9000 cubic metres (m ³)	

3. The licence holder shall ensure the limits specified in Table 3 are not exceeded.

Table 3: Production or Design Capacity Limits

Category ¹	Category description ¹	Premises production or design capacity limit
12	Screening etc. of material: Premises on which material extracted from the ground is screened, washed, crushed, ground, milled sized or separated.	156,000 tonnes per annual period

Note 1: *Environmental Protection Regulations 1987*, Schedule 1.

4. The licence holder is authorised to operate the Stages specified in Table 4 in accordance with the specifications in that table.

Table 4: Staged Operations

Extraction Stages	Specifications
Stages 9, 10, 11 and 12	<p>Authorised extent depicted in Schedule 1 maps.</p> <p>The licence holder is only authorised to operate Stages 9, 10, 11 and 12 upon submission of a compliance report (survey) for each detention basin, in accordance with condition 22.</p>

5. The licence holder must ensure that material/s stockpiles do not exceed 9 metres in height at any point from the base of the stockpile.
6. The licence holder must cover all truck loads prior to exiting the Premises.
7. The licence holder must ensure that the infrastructure and equipment specified in Table 5 are maintained in good working order and operated in accordance with the requirements specified in Table 5.

Table 5: Infrastructure and equipment controls table

Site infrastructure and equipment	Operational requirements
15 kilolitre water cart	Required on site during all periods where material (processed and unprocessed) is being moved or crushed.
Crushing and screening equipment	Spray bar to be employed at all times during crushing and screening of material. To be operated for no more than 12 weeks per annual period.

8. The licence holder must only operate bulldozers and crushers between the hours of 7.00 am to 5.00 pm Monday to Friday.

Monitoring

9. The licence holder must ensure that all monitoring equipment used on the Premises to comply with the conditions of this Licence is calibrated in accordance with the manufacturer's specifications.
10. The licence holder must, where the requirements for calibration cannot be practicably met, or a discrepancy exists in the interpretation of the requirements, bring these issues to the attention of the CEO accompanied with a report comprising details of any modifications to the methods.
11. The licence holder must undertake the monitoring in Table 6 according to the specifications in that table.

Table 6: Monitoring of ambient surface water quality

Monitoring point reference	Parameter ¹	Units	Frequency	Trigger Level
SW1 ² & SW2	Turbidity	NTU	Daily during overflow of Detention Pond or 7a Detention Basin	≥100 NTU
	pH	pH units		<6.0 or >8.0 pH units

Note 1: In-field, non-NATA accredited analysis permitted.

Note 2: Detention Pond depicted in Schedule 1 maps.

12. The licence holder must undertake the turbidity management actions in Table 7 in the event the trigger levels in Table 6 are reached in accordance with the specifications in that table.

Table 7: Turbidity and pH Management Actions

Exceedance event	Action
1 measurement reaches any trigger level.	Immediately inspect stormwater infrastructure listed in condition 2 for failure, and repair immediately if required.
1 in any 10 consecutive measurements reach any trigger level specified in Table 6.	Additional detention areas are required to be constructed.

13. The licence holder must utilise dust management measures including, but not limited to:

- continuous dust monitoring for operational management purposes for particulate matter 10 micrometres or less in diameter (PM₁₀) between structure 4A and extraction Stages 9, 10, 11 and 12 as depicted in the map of dust and meteorological monitoring locations in Schedule 1 maps;
- automatic feedback (SMS text message or equivalent) to the quarry manager or supervisor if a trigger level of 1,000 µg/m³ of PM₁₀ is reached over a one-hour averaging period;
- meteorological monitoring to provide wind data to assist in determining the source of dust;
- the dust monitoring system is to be used at all times the quarry is in operation;
- in the event the trigger value is reached, and the dust is attributable to operations at the Premises, the licence holder will undertake the management actions specified in Table 8;
- the licence holder must reduce the trigger level if necessary, in response to verified complaints or other evidence of off-site impacts;
- the licence holder must continuously improve site dust management through identification of dust sources and identifying and implementing improved dust controls; and
- the licence holder must keep a written log, signed by the responsible person, of dust trigger level exceedance events including identification of the sources of dust and action taken to control dust.

14. The licence holder must undertake the fugitive dust management actions in Table 8 in the event the trigger level of 1,000 µg/m³ of PM₁₀ is reached or exceeded over a one-hour averaging period in accordance with the specifications in that table.

Table 8: Fugitive Dust Management Actions

Action	Specifications
Water carts	<ul style="list-style-type: none"> Operate when visible dust is generated from ground surface areas on the Premises; Operate proactively subject to weather forecasting over a 24 hour period; and Operate when visible dust is reported by site personnel.
Dust suppressants	<ul style="list-style-type: none"> Apply proactively; and Re-apply proactively subject to visual inspection and weather forecasting over a 24 hour period.
Cessation of activities	Cease an activity causing visible dust lift-off during high wind conditions where dust management requirements have not prevented visible dust lift-off.

15. The licence holder must undertake the meteorological monitoring and recording in Table 9 in accordance with the specifications in that table.

Table 9: Meteorological Monitoring

Monitoring station and location	Parameter	Units	Height	Method
Location depicted in the map of dust and meteorological monitoring locations in Schedule 1 Figure 3 maps	Wind speed	m/s	10 m	AS/NZS 3580.14:2014
	Wind direction	Degrees	10 m	
	Wind direction standard deviation	Degrees	10 m	

Records and reporting

16. All information and records required by the Licence shall:
- Be legible;
 - if amended, be amended in such a way that the original and subsequent amendments remain legible or are capable of retrieval;
 - be retained for at least 6 years from the date the records were made or until the expiry of the Licence or any subsequent licence: and
 - for those following records, be retained until the expiry of the Licence and any subsequent licence:
 - off-site environmental effects; or
 - matters which affect the condition of the land or waters.
17. The licence holder must submit to the CEO within 90 days after the Annual Period, an Annual Audit Compliance Report indicating the extent to which the licence holder has complied with the Conditions in this Licence for the Annual Period.
18. The licence holder must implement a complaints management system that as a minimum records the number and details of complaints received concerning the environmental impact of the activities undertaken at the Premises and any action taken in response to the complaint.
19. The licence holder must submit to the CEO an Annual Environmental Report within 90 calendar days after the annual period. The report shall contain the information listed in Table 10 in the format or form specified in that table.

Table 10: Annual Environmental Report

Condition or table (if relevant)	Parameter	Format or Form
-	Summary of any failure or malfunction of any pollution control equipment or any incidents that have occurred during the annual period and any action taken	None specified
Table 6 & 7	Monitoring and management of ambient surface water quality	
13 & 14	Monitoring and management of fugitive dust emissions	
Table 9	Meteorological monitoring	

Condition or table (if relevant)	Parameter	Format or Form
3	Quantity of material extracted from the ground that is screened, washed, crushed, ground, milled, sized or separated ¹	
17	Compliance with Licence conditions	Annual Audit Compliance Report
18	Complaints summary	None specified

Note 1: Quantity may be reported as the maximum throughput based on the number of days screening equipment is on site and operational.

- 20.** The licence holder must submit a review of stormwater management at the cessation of Stages 9, 10, 11 and 12, whichever comes first. The report shall contain:
- (a) a summary of ambient environmental monitoring undertaken in accordance with condition 11; and
 - (b) a summary of management actions undertaken in accordance with condition 12.
- 21.** The licence holder must ensure that the parameters listed in Table 11 are notified to the CEO in accordance with the notification requirements of the table.

Table 11: Notification Requirements

Condition or table (if relevant)	Parameter	Notification requirement ¹	Format or form ²
3 and 5	Breach of any limit specified in the Licence (trigger values excepted)	Part A: As soon as practicable, but no later than 5pm of the next usual working day.	N1
		Part B: As soon as practicable	
9	Calibration report	As soon as practicable	None specified

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

Note 2: Forms are in Schedule 4.

- 22.** The licence holder must submit a survey of the detention basin capacity and final design to the CEO, following the construction of each detention basin in stages numbered 9, 10, 11 and 12 depicted in the map of stages of gravel extraction in Schedule 1 Figure 2 prior to screening operations commencing.
- 23.** The licence holder must within 30 calendar days of an item of infrastructure 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.
- 24.** The Environmental Compliance Report required by condition 23, must include as a minimum the following:
- (a) certification by a suitably qualified professional 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 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 licence holder and contains the printed name and position of that person.

Definitions

In this licence, the terms in Table 12 have the meanings defined.

Table 12: Definitions

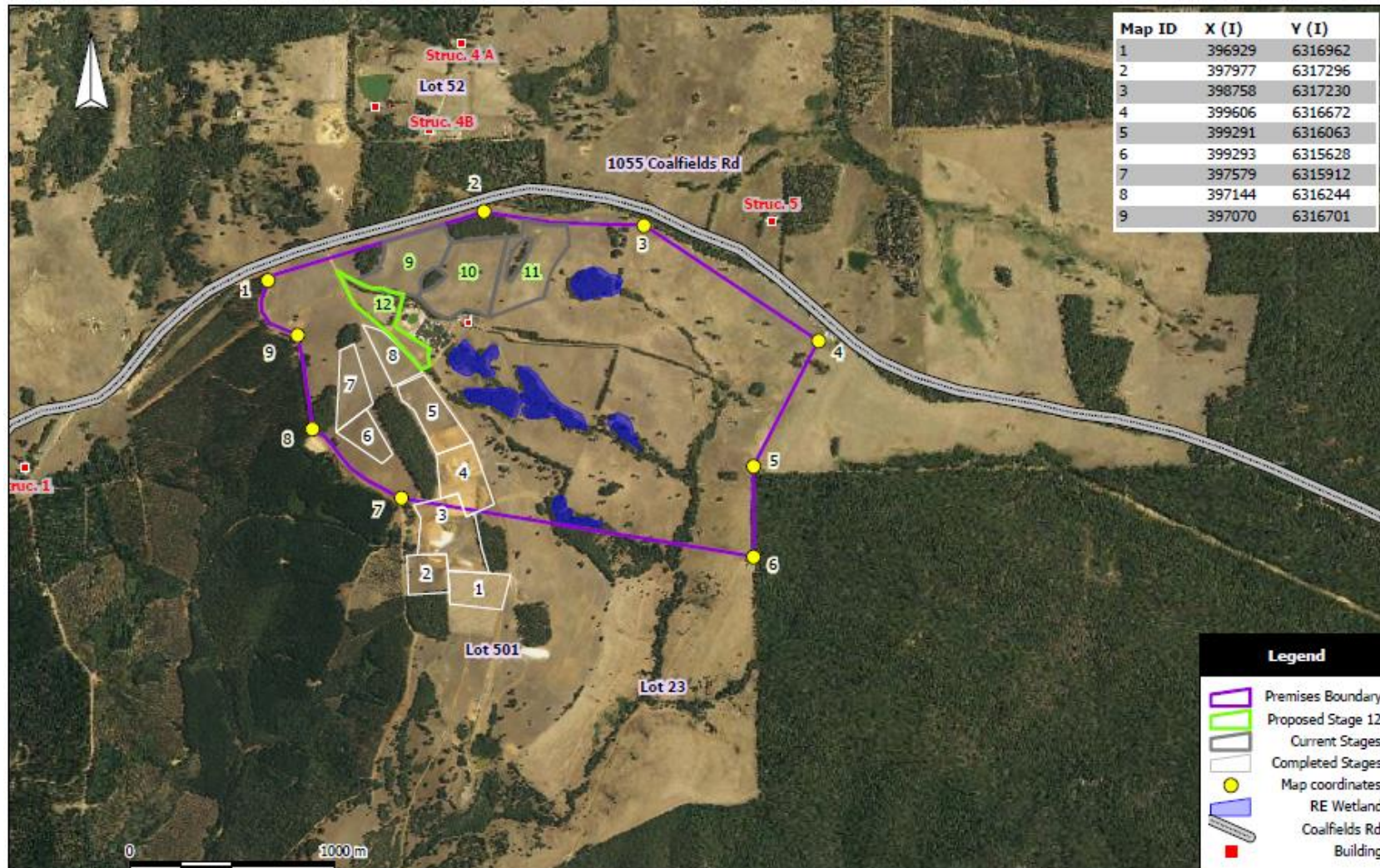
Term	Definition
ACN	Australian Company Number
Annual Audit Compliance Report (AACR)	means a report submitted in a format approved by the CEO (relevant guidelines and template is available on the Department's website).
annual period	a 12 month period commencing from 3 April until 2 April of the immediately following year.
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
Compliance Report	means a report in a format approved by the CEO as presented by the Licence Holder or as specified by the CEO (guidelines and templates may be available on the Department's website).
Condition	means a condition to which this Licence is subject under s.62 of the EP Act.
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.
Department Request	means a request for Books or other sources of information to be produced, made by an Inspector or the CEO to the Licence Holder in writing and sent to the Licence Holder's address for notifications, as described at the front of this Licence, in relation to: (a) compliance with the EP Act or this Licence; (b) the Books or other sources of information maintained in accordance with this Licence; or (c) the Books or other sources of information relating to Emissions from the Premises.
discharge	has the same meaning given to that term under the EP Act.
DWER	Department of Water and Environmental Regulation
emission	has the same meaning given to that term under the EP Act.
EP Act	<i>Environmental Protection Act 1986</i> (WA)
EP Regulations	<i>Environmental Protection Regulations 1987</i> (WA)

Term	Definition
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.
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 to this licence.
suitably qualified professional engineer	means a person who: <ol style="list-style-type: none">1. hold a Bachelor of Engineering recognised by the Australia Institute of Engineers; and2. has a minimum of five years of experience working in civil engineering.

END OF CONDITIONS

Schedule 1: Premises Maps

Figure 1: Map of the boundary of the prescribed premises

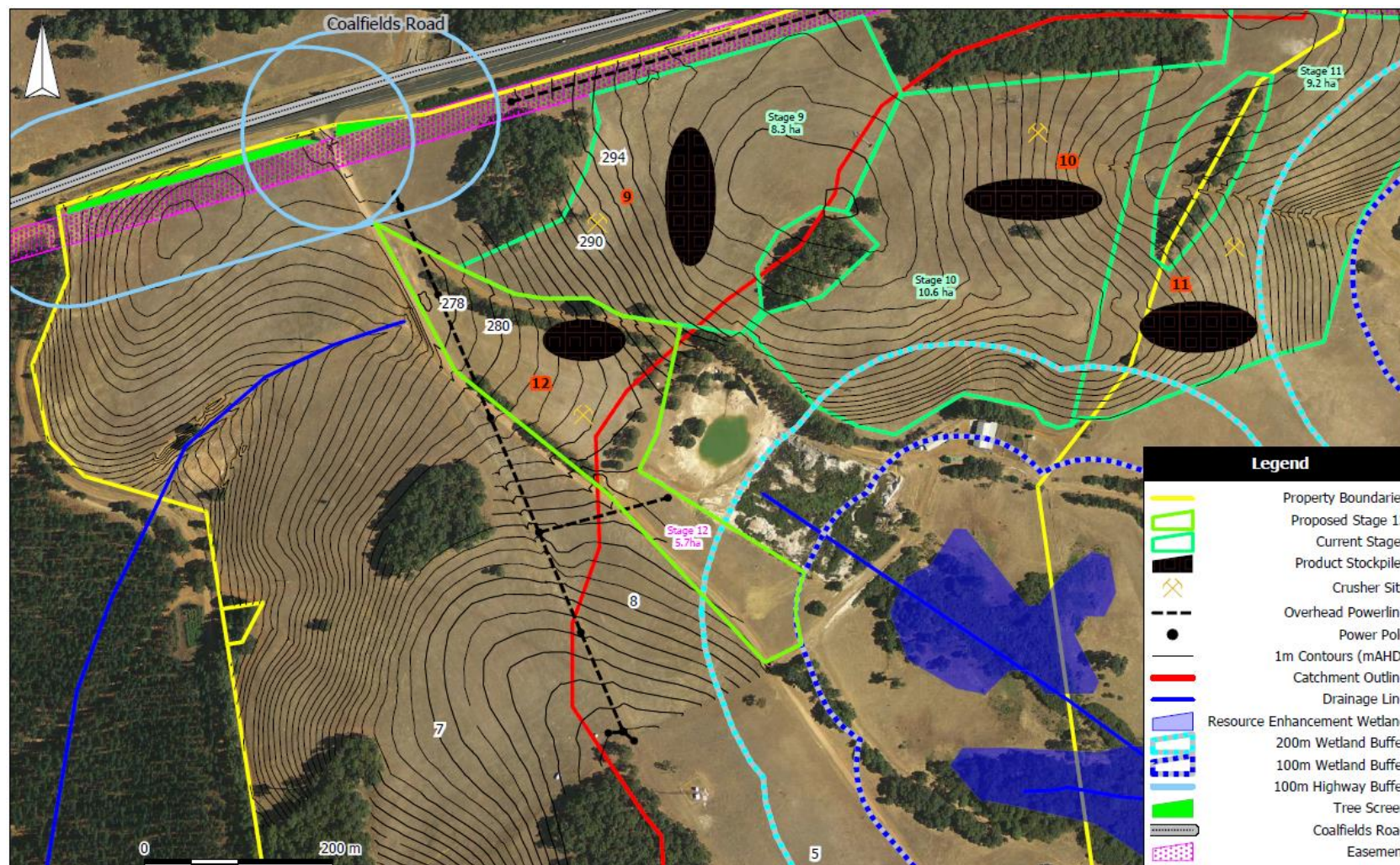


L8877/2015/2: (last updated 10/01/2023)

IR-T06 Licence template (v7.0) (February 2020)

Figure 2: Map of Staged Extraction Locations

Map depicting stages 9, 10, 11 and 12 of gravel operation as outlined in Table 4

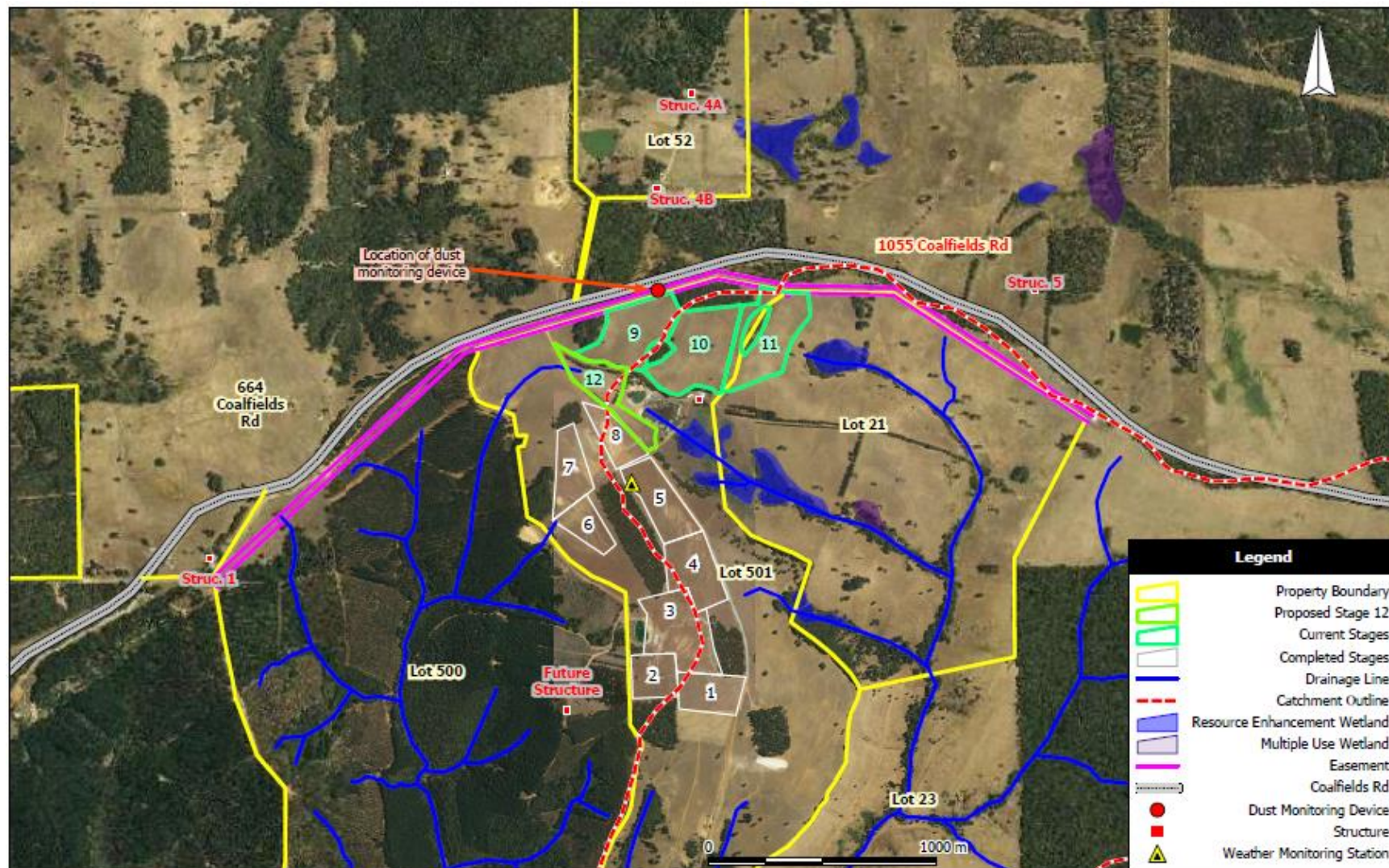


L8877/2015/2: (last updated 10/01/2023)

IR-T06 Licence template (v7.0) (February 2020)

Figure 3: Map of Dust and Meteorological Monitoring Locations in relation to stages 9, 10, 11 and 12

Map depicting the location of dust monitoring device (DustTrack™ 11 Aerosol Monitor 8530) and meteorological monitoring station.

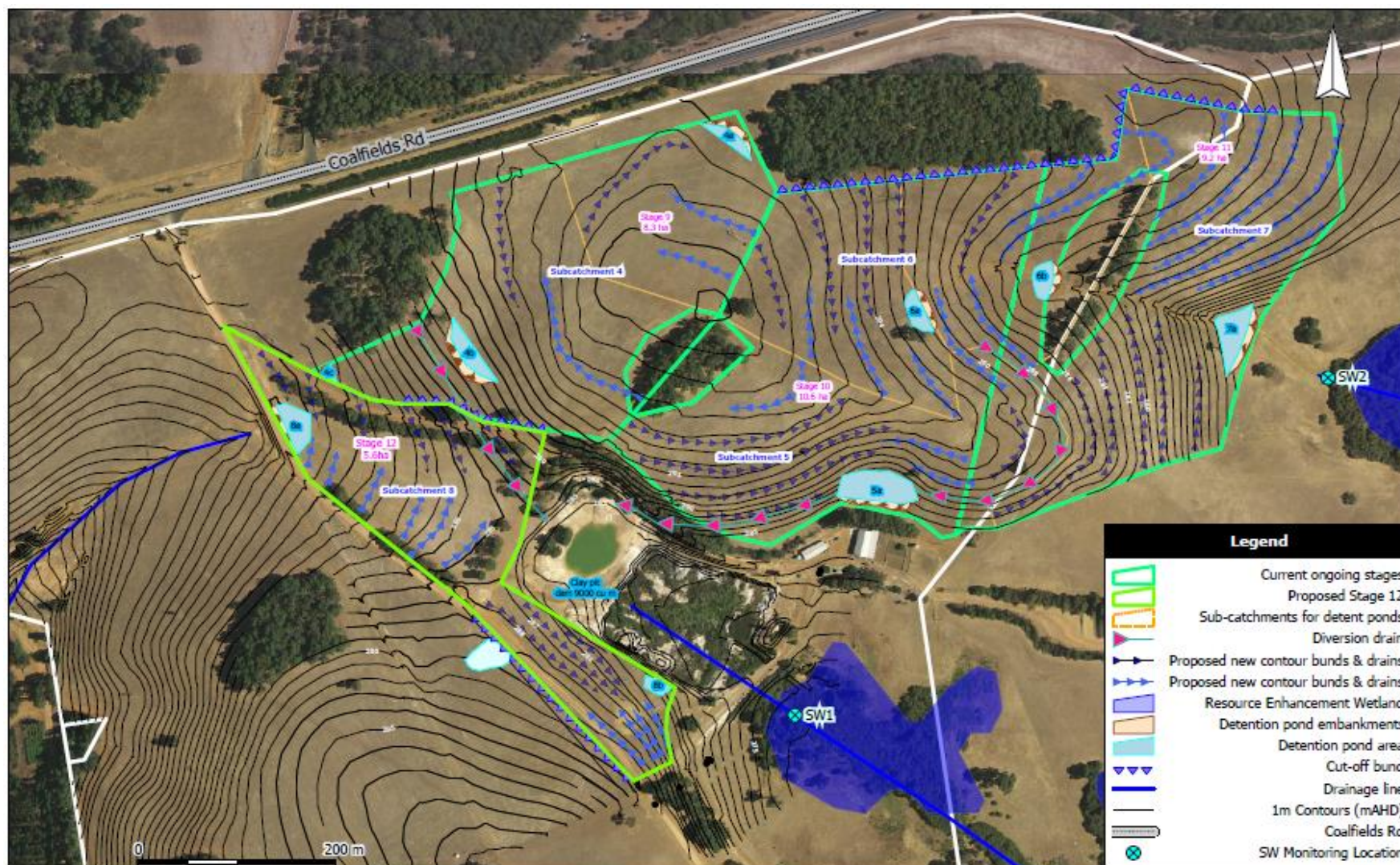


L8877/2015/2: (last updated 10/01/2023)

IR-T06 Licence template (v7.0) (February 2020)

Figure 4: Map of Surface Water Catchment Areas, Site Topography and Surface Water Quality Monitoring

Map depicting the location of the surface water monitoring locations SW1 & SW2, diversion drains, cut-off bunds and detention basins.



L8877/2015/2: (last updated 10/01/2023)

IR-T06 Licence template (v7.0) (February 2020)

Schedule 2: Premises boundary coordinates

The premises boundary is defined by the coordinates in Table 13.

Table 13: Premises boundary coordinates (GDA94)

Reference Pt	Easting	Northing	Zone
1	396929	6316962	50
2	397977	6317296	50
3	398758	6317230	50
4	399606	6316672	50
5	399293	6316063	50
6	399293	6315628	50
7	397579	6315912	50
8	397144	6316244	50
9	397070	6316701	50

Schedule 3: Detention Basin Minimum Storage Capacities



Table 14: Detention basin minimum storage capacities

Detention Basin reference number (depicted in Schedule 1 Figure 4)	Detention Basin Minimum Storage Capacity (m ³)
4a	1,041
4b	1,714
4c	244
5a	2,238
6a	1,265
6b	1,219
7a	2,615
8a	667
8b	286

Schedule 4: Reporting & Notification forms

These forms are provided for the proponent to report monitoring and other data required by the Licence. They can be requested in an electronic format.

Licence: L8877/2015/2

Licence holder: B. & J. Catalano Pty Ltd

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	L8877/2015/2
Name of operator	B. & J. Catalano Pty Ltd
Location of Premises	Being Part Lot 21 on Plan 10674 and Part Lot 501 on Plan 26892.
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 B. & J. Catalano Pty Ltd	
Date	

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