



Works approval number	W6283/2019/1
Works approval holder	Talison Lithium Australia Pty Ltd
ACN	139 401 308
Registered business address	'London House' Level 15 216 St Georges Terrace PERTH WA 6000
DWER file number	DER2019/000216
Duration	02/04/2020 to 01/04/2028
Date of issue	2 April 2020
Date of amendment	12 July 2023
Premises details	Talison Lithium Mine, Maranup Ford Road, GREENBUSHES WA 6254 Mining Tenements – M01/3, M01/6, M01/7, M01/8, M01/9, M1/16 General Purpose Lease – G01/1, G01/04

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	11.6 million tonnes per annual period

This works approval is granted to the works approval holder, subject to the attached conditions, on 12 July 2023, by:

Lauren Edmands

**A/SENIOR MANAGER, RESOURCE INDUSTRIES
REGULATORY SERVICES**

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

Premises instrument history since 2010

Date	Reference number	Summary of changes
14 December 2010	L4247/1991/12	Licence re-issue.
28 July 2011	W4927/2011/1	Works approval to upgrade and increase the capacity of the Lithium processing facility. Surface water management plan developed by licence holder as a works approval condition.
12 December 2013	L4247/1991/13	Licence re-issue.
15 July 2016	L4247/1991/13	Licence amendment to authorise embankment raise for TSF2 and supporting infrastructure to RL 1280 m AHD.
15 July 2016	L4247/1991/13	Amendment to authorise embankment raise to TSF2 to RL 1280 m. New groundwater monitoring program required by Condition 3.4.1. Ambient surface water quality limits set for receptor downstream dam, Norilup Dam. Improvement condition 4.1.1 added to the licence with 7 improvement requirements to improve monitoring and management of contaminants discharged to ambient surface water.
5 May 2017	L4247/1991/13	Amendment Notice 1 Amendment to convert IR1 – IR7 requirements to conditions where appropriate, following receipt of Licensee submissions. Amendments also made to existing conditions 1.3.7, 2.2.1, 5.2.1 and 5.2.3. Additional change made to condition 5.3.1 following comments made by the Department of Parks and Wildlife on the 23 December 2016 draft amendment notice. DER administrative change made to condition 5.1.2 following publication of new template for AACRs.
30 August 2017	L4247/1991/13	Amendment Notice 2 Amendment to authorise construction of an additional chemical grade lithium processing plant, including ROM pad and crusher.
12 March 2018	L4247/1991/13	Amendment Notice 3 Amendment to authorise installation of additional 3 stage crushing circuit, reverse osmosis water treatment plant and clear water dam (to replace the existing clear water pond) and associated supporting infrastructure including piping. Amendment to list of groundwater bores to be monitored.
2 April 2020	W6283/2019/1	Works approval granted for a mine expansion including additional processing plants, a crusher and a tailings retreatment plant to increase the processing capacity of spodumene ore to a maximum of 11.6 Mtpa.
29 April 2020	L4247/1991/13	Amendment to authorise installation of new Arsenic Remediation Unit, updating conditions to reflect the installment of Clear Water Dam, and amalgamation of previous Amendment Notices 1-3.

29 January 2021	W6283/2019/1	Amendment to update registered business and mailing address; correcting premises address and updating formatting
22 December 2020	L4247/1991/13	Amendment to update registered business and mailing address.
27 July 2021	L4247/1991/13	Amendment to update infrastructure requirements for the embankment raise of TSF2 to RL 1280 m. Changes include new designs, buttress works, additional underdrainage and ground works to improve stability.
19 December 2022	L4247/1991/13	Amendment to operate Tailings Retreatment Plan, Water Treatment Plan, Arsenic Remediation Unit and Water Treatment Facility, as well as increase throughput to 5 Mtpa of ore beneficiated
21 December 2022	W6283/2019/1	Amendment to extend duration of works approval by 5 years, modify location of CGP3 and reporting requirements for dust monitoring.
12 July 2023	W6283/2019/1	DWER Initiated Amendment to remove duplication of dust monitoring conditions with Licence L4247/1991/13.

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:

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
 - (d) within the corresponding timeframe,
 as set out in Table 1.

Table 1: Design and construction / installation requirements

	Infrastructure	Design and construction / installation requirements	Infrastructure location	Timeframe
1.	Chemical Grade Processing Plant 3 (CGP3)	Processing plant with 2.4 Mt capacity each, Run of Mine (ROM) pad, Fine Ore Stockpile (FOS), sedimentation ponds, bulk reagent storage and drainage elements as described in the works approval application and supporting documentation submitted, and in accordance with the designs depicted in Figure 2 and Figure 4 of Schedule 2.	As per Figure 1, Schedule 1	Construction completed by 31 March 2025
		Noise bund constructed using suitable waste rock to a minimum elevation of 330.2 mAHD.	As per Figure 8, Schedule 1	
2.	Chemical Grade Processing Plant 4 (CGP4)	Processing plant with 2.4 Mt capacity each, Run of Mine (ROM) pad, Fine Ore Stockpile (FOS), sedimentation ponds, bulk reagent storage and drainage elements as described in the works approval application and supporting documentation submitted, and in accordance with the designs depicted in Figure 3, Figure 5, Figure 6 and Figure 7 of Schedule 2.	As per Figure 1, Schedule 1	Construction completed by 31 March 2027
3.	Crusher 3	Three stages crushing circuit with 4.8 Mtpa capacity, overhead conveyor from Crusher 3 to CGP3 and to CGP4 across Maranup Ford Road, as described in the works approval application and supporting documentation submitted, and in accordance with the designs depicted in Figure 3 of Schedule 2.	As per Figure 1, Schedule 1	Construction completed by 31 March 2025

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 from the infrastructure installer that the items of infrastructure specified in Table 1 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.

Records and reporting (general)

4. 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.
5. 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; and
 - (b) complaints received under condition 4.
6. The books specified under condition 5 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 2 have the meanings defined.

Table 2: Definitions

Term	Definition
annual period	a 12-month period commencing from 1 July until 30 June of the immediately following year.
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 equipment has been constructed and 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).
Mt	means megatonnes.
Mtpa	means megatonnes per annual period.
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.
RL	means reduced level.
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.

END OF CONDITIONS

Schedule 2: Infrastructure

Chemical Grade Plant 3 and 4

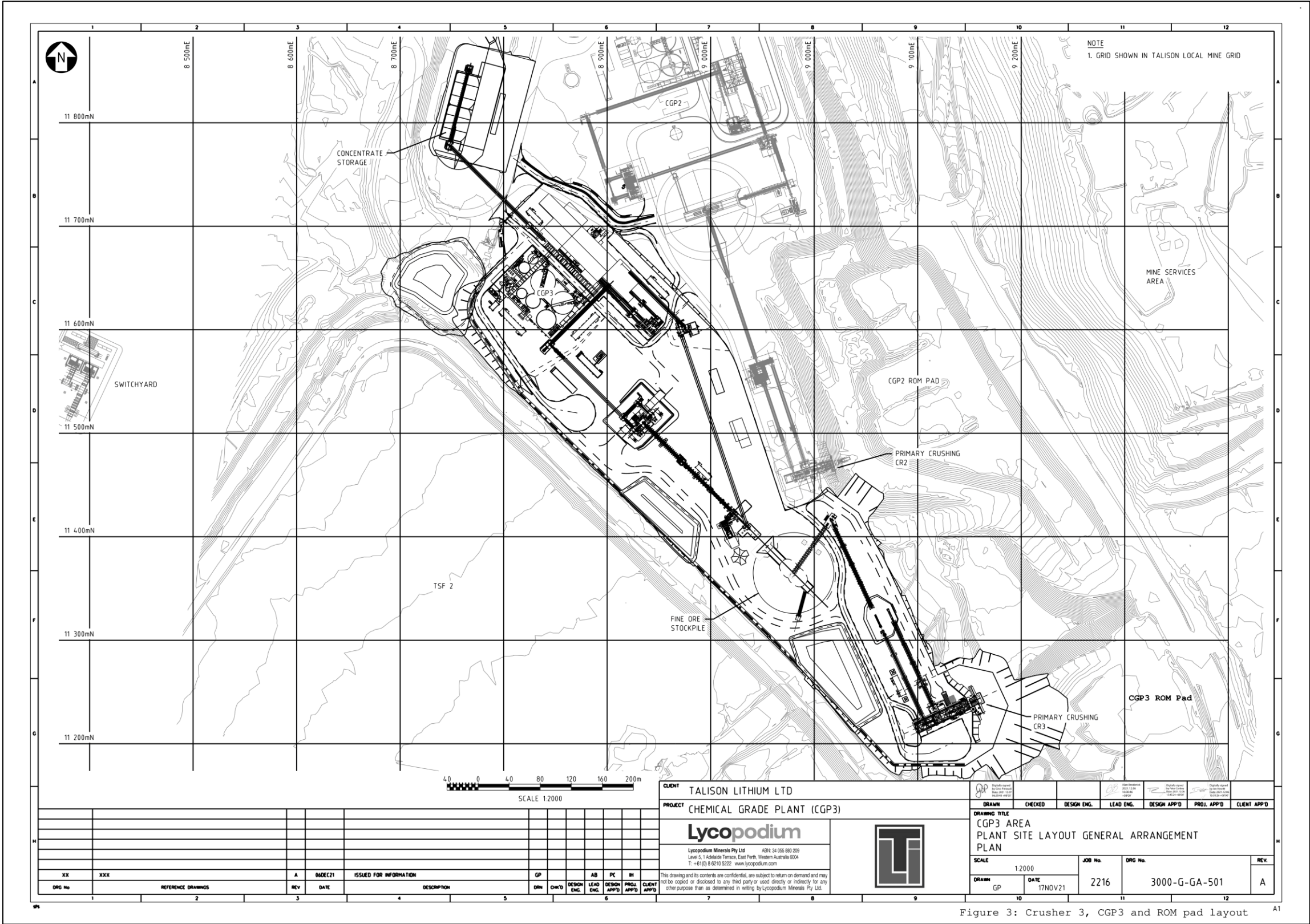


Figure 2: CGP3 and ROM pad layout

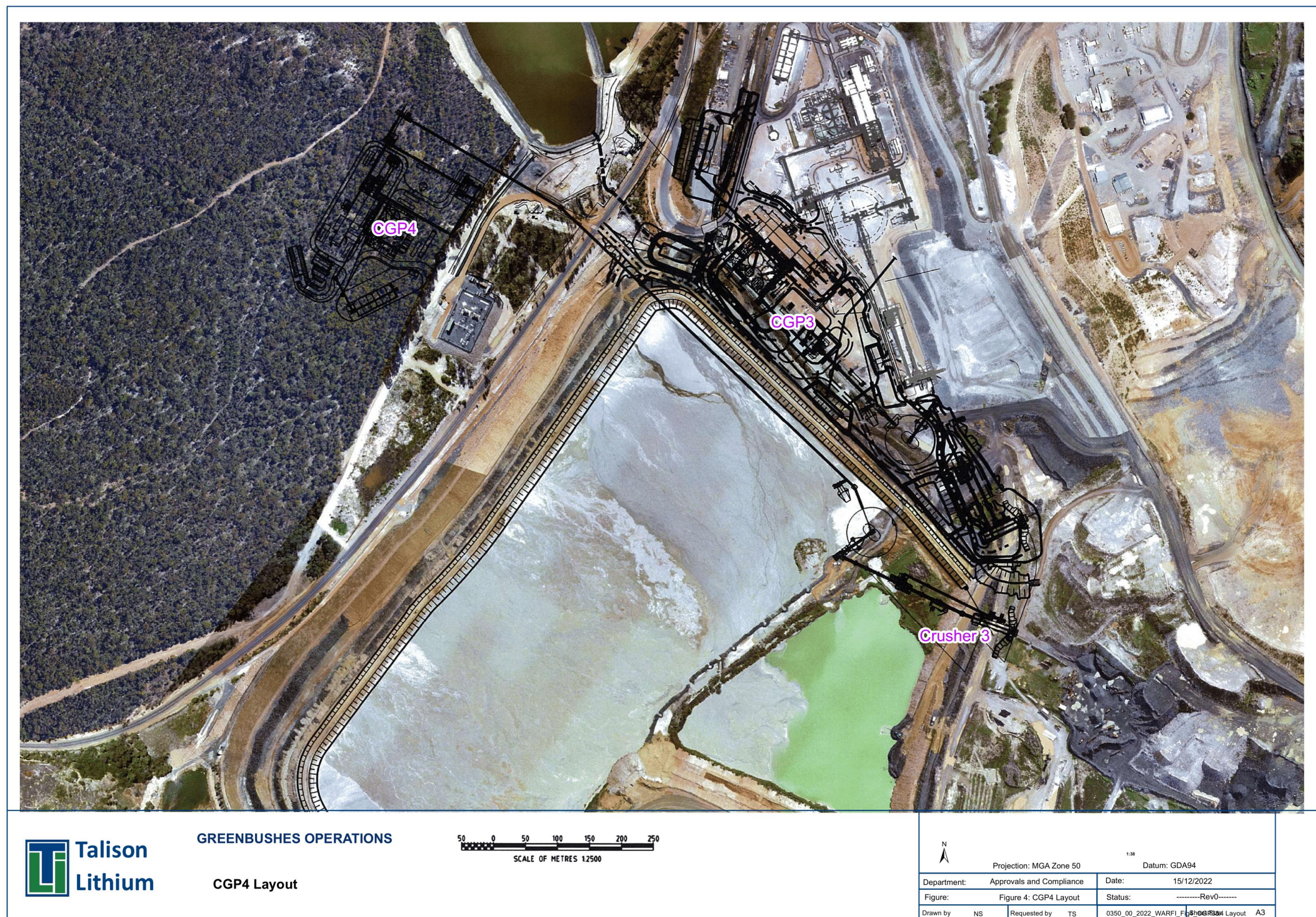


Figure 3: Crusher 3 and CGP4 layout

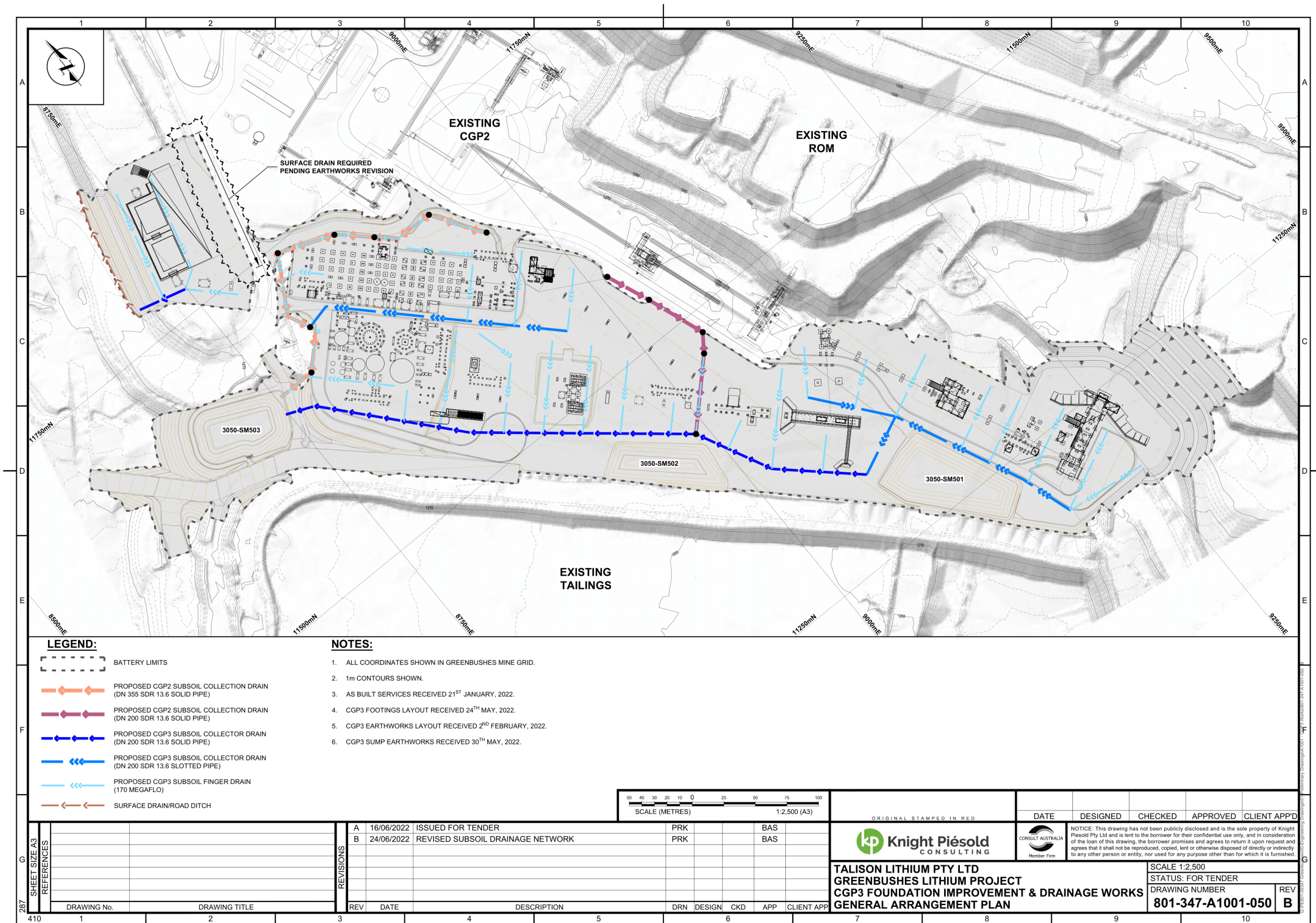


Figure 4: CGP3 sedimentation ponds and drainage layout

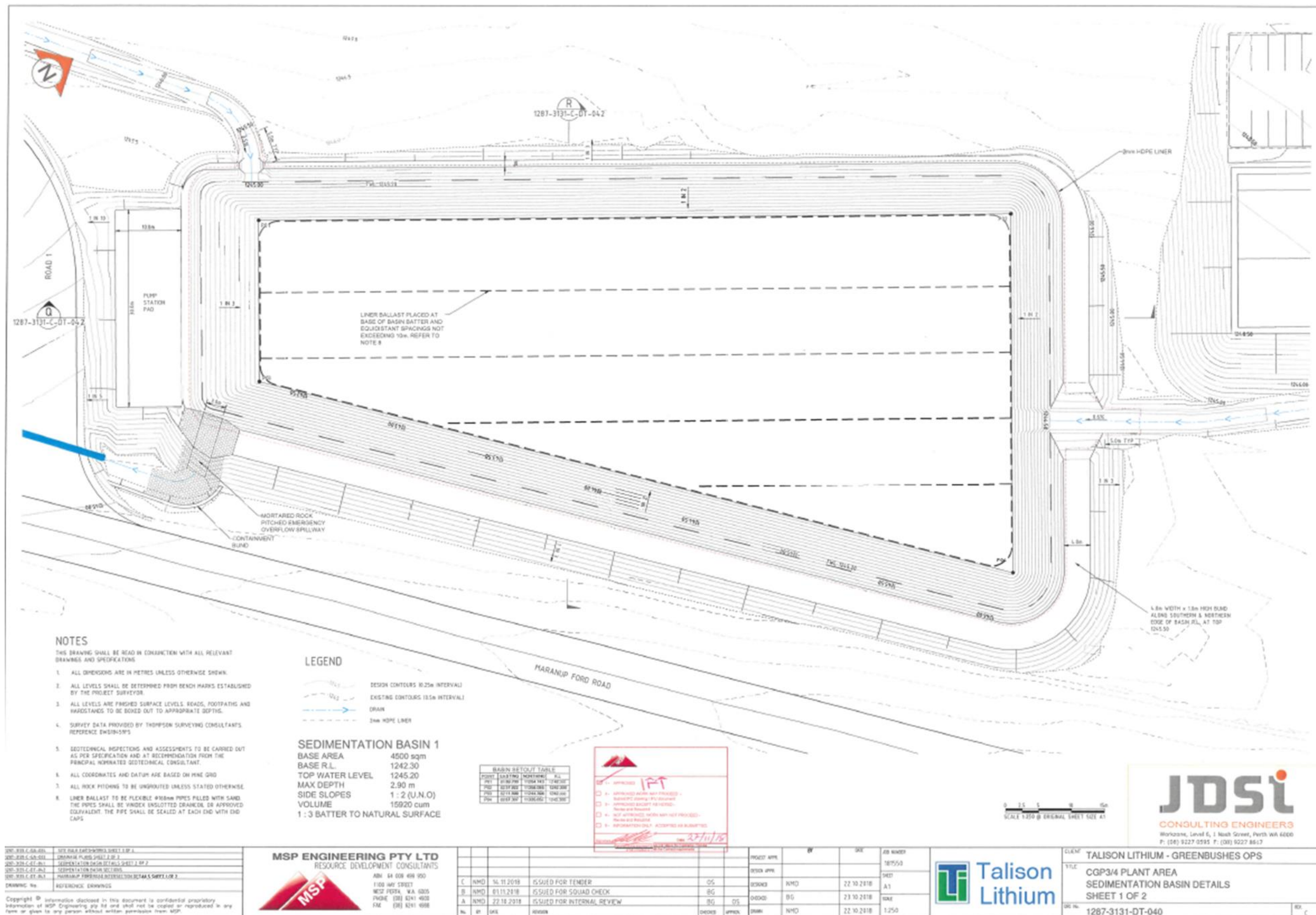


Figure 5: CGP 4 Sedimentation ponds layout 1

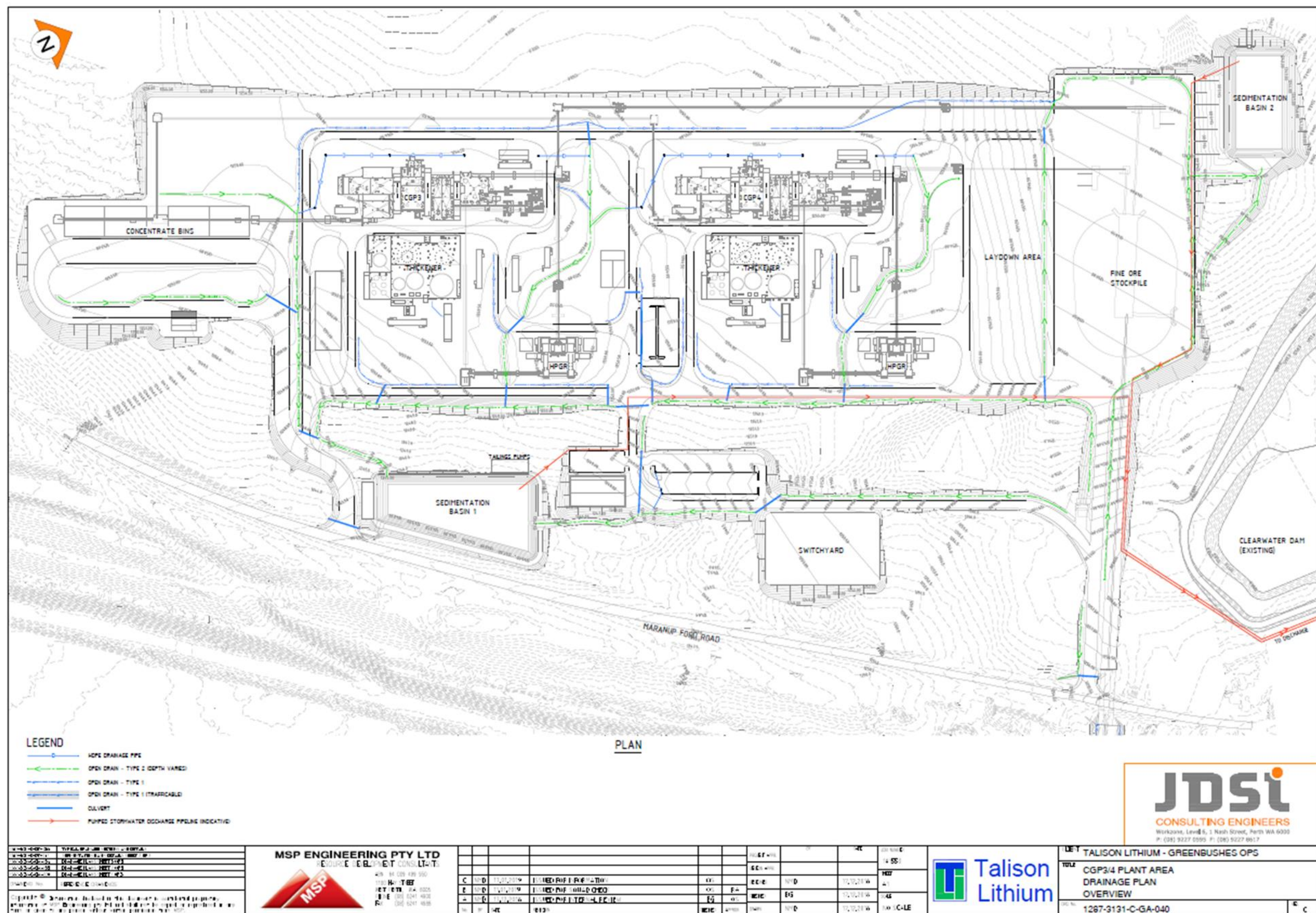


Figure 7: CGP 4 drainage plan

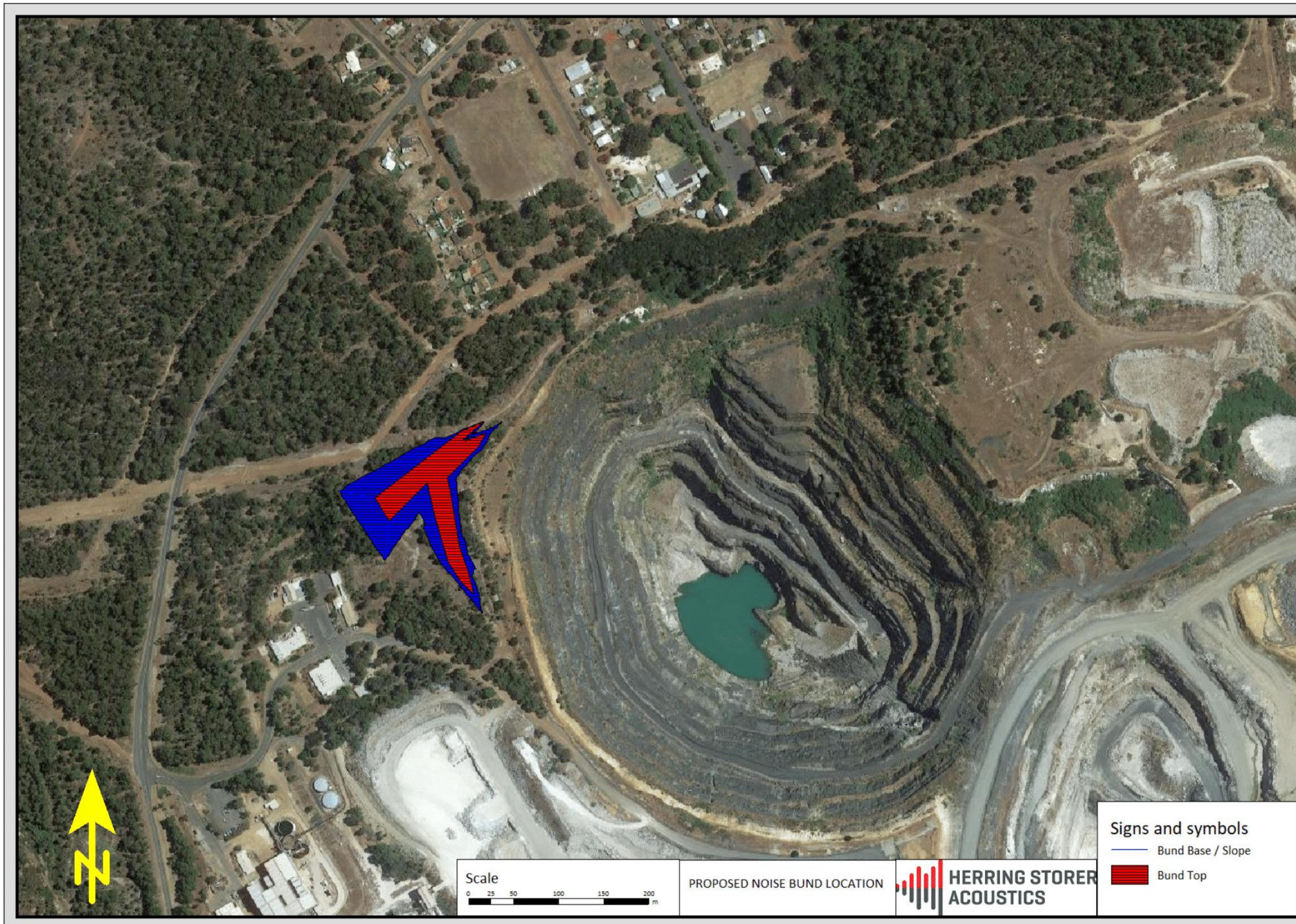


Figure 8: Extended noise bund for CGP3