



<b>Works approval number</b>	W6460/2020/1
<b>Works approval holder</b>	Covalent Lithium Pty Ltd
<b>ACN</b>	623 090 139
<b>Registered business address</b>	Level 17 109 St Georges Tce PERTH WA 6000
<b>DWER file number</b>	DER2020/000521
<b>Duration</b>	12/02/2021 to 11/02/2024
<b>Date of issue</b>	12/02/2021
<b>Premises details</b>	Earl Grey Lithium Project – Concentrator Southern Cross, WA Mining tenements: G77/129, G77/130, G77/131, G77/133, G77/134, G77/136, L77/205, L77/207, L77/208, L77/295, L77/296, L77/298, L77/313, L77/322, L77/323, M77/1065, M77/1066 and M77/1080  As defined by the coordinates in Schedule 2

<b>Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)</b>	<b>Assessed production capacity</b>
Category 5: Processing or beneficiation of metallic or non-metallic ore	2,000,000 tonnes per annual period.

This works approval is granted to the works approval holder, subject to the attached conditions, on 12 February 2021, by:

**/MANAGER, RESOURCE INDUSTRIES  
REGULATORY SERVICES**

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

# 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 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: Design and construction requirements**

	Infrastructure	Design and construction requirements	Infrastructure location
1.	Concentrator processing plant and associated infrastructure.	<ul style="list-style-type: none"> <li>• Concentrator processing plant comprised of the following infrastructure and equipment:               <ul style="list-style-type: none"> <li>- Run of Mine (ROM) Pad</li> <li>- ROM bin</li> <li>- Crushing plant circuit</li> <li>- Classification and Mica removal circuit</li> <li>- Dense media separation (DMS) circuit</li> <li>- Grinding and desliming circuit</li> <li>- Magnetic material removal circuit</li> <li>- Flotation circuit</li> <li>- Product handling and storage area; and</li> <li>- Reagent storage areas</li> </ul> </li> <li>• Layout of concentrator infrastructure to be constructed in accordance with Schedule1, Figure 2.</li> <li>• Water sprays to be installed at the ROM bin and transfer points in the crushing circuit.</li> <li>• Two insertable type dust collectors to be installed at the primary crusher and the screen within crushing circuit.</li> <li>• Bag house style dust collector installed at the crushed ore stockpile reclaim tunnel feeders to conveyor transfer points.</li> </ul>	Schedule 1, Figure 2.
		<ul style="list-style-type: none"> <li>• Bunded containment areas as depicted in blue within Schedule 1, Figure 4 to be concrete lined.</li> <li>• Bunded containment areas as</li> </ul>	Schedule 1, Figure 4

	Infrastructure	Design and construction requirements	Infrastructure location
		<p>depicted in green within Schedule 1, Figure 4 to have a compacted hardstand with the following properties:</p> <ul style="list-style-type: none"> <li>- Modified maximum dry density: 95%</li> <li>- Liquid limit: &lt;30% max</li> <li>- Plasticity index: 8-15%</li> <li>- Linear Shrinkage: 2-8%</li> <li>- Permeability: <math>5 \times 10^{-8}</math> to <math>5 \times 10^{-6}</math> m/s.</li> </ul> <ul style="list-style-type: none"> <li>• Bunded containment areas as depicted in green in Schedule 1, Figure 4 to be graded so that any run-off is captured by a sump.</li> <li>• Hydrocarbons and water treatment plant reagents to be stored within self-bunded tanks or within a bunded concrete lined area with a minimum capacity of 110% of the largest container stored within it or 25% of the volume of all containers, whichever is larger.</li> </ul>	
2.	Stormwater management infrastructure	<ul style="list-style-type: none"> <li>• Stormwater management berms, culverts and drainage channels to be constructed in the locations outlined within Schedule 1, Figure 3.</li> <li>• Stormwater management berms, culverts and drainage channels to be constructed to divert clean surface water flow into the stormwater settlement basins.</li> </ul>	Schedule 1, Figure 3.
		<ul style="list-style-type: none"> <li>• Stormwater settlement basins constructed in the locations outlined in Schedule 1, Figure 2.</li> <li>• Combined design capacity of the three stormwater settlement ponds to be sized to contain a 1% AEP 24-hour rain fall event.</li> <li>• Each pond to have a freeboard capacity of 300-500mm to the embankment crest.</li> </ul>	Schedule 1, Figure 2.

## Compliance reporting

2. The works approval holder must within 30 calendar days of an item of infrastructure required by condition 1 being constructed:
- (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 suitably qualified and experienced Engineer (eligible for membership of the Institute of Engineers, Australia) 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 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 have the meanings defined.

**Table 2: Definitions**

Term	Definition
AEP	Annual exceedance probability.
annual period	a 12-month period commencing from 1 January until 31 December 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  <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 has been constructed in accordance with the works approval.
EP Act	<i>Environmental Protection Act 1986 (WA)</i> .
EP Regulations	<i>Environmental Protection Regulations 1987 (WA)</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.
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).

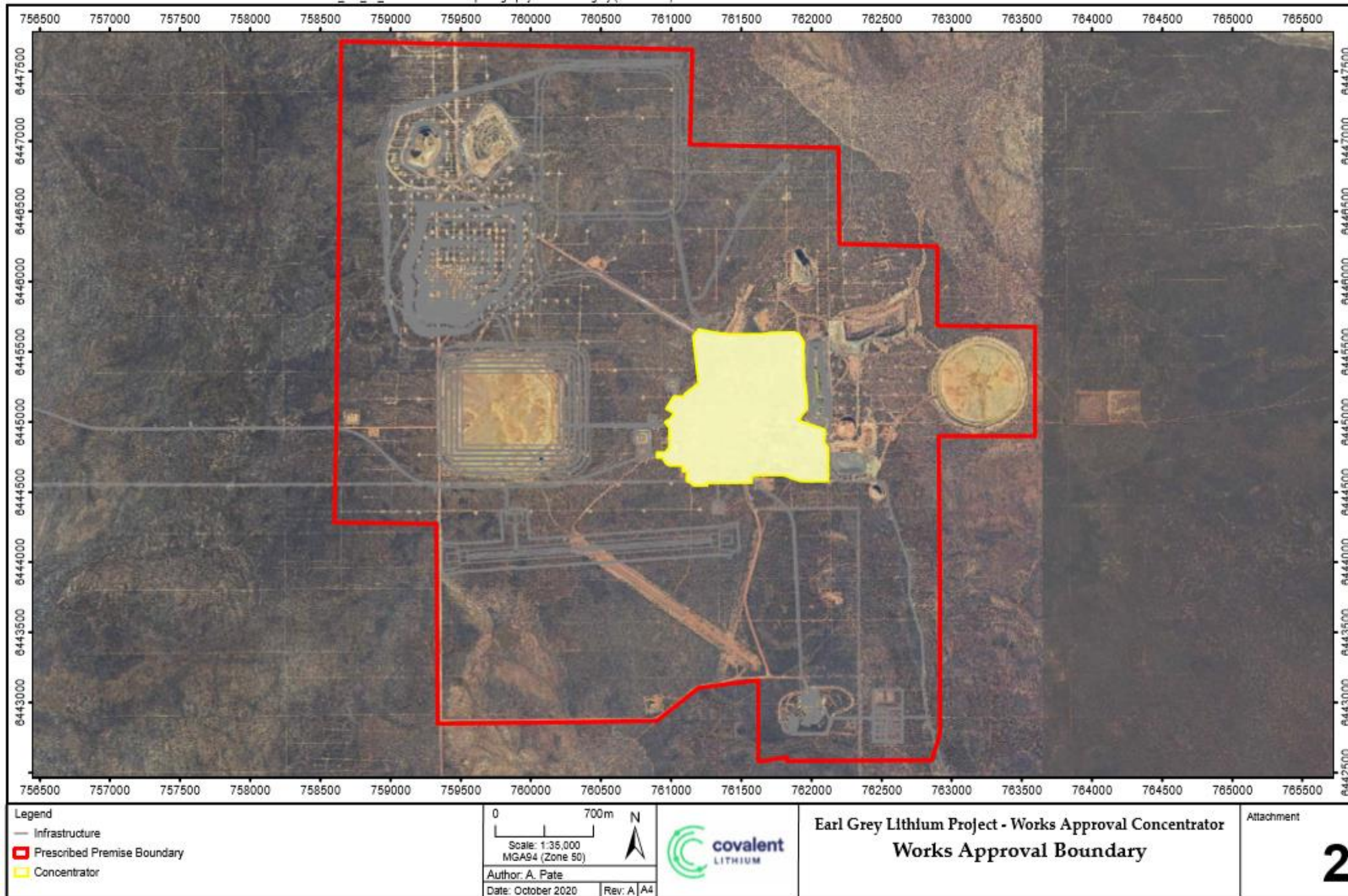


Figure 1: Map of the boundary of the prescribed premises

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IR-T05 Works approval template (v5.0) (February 2020)



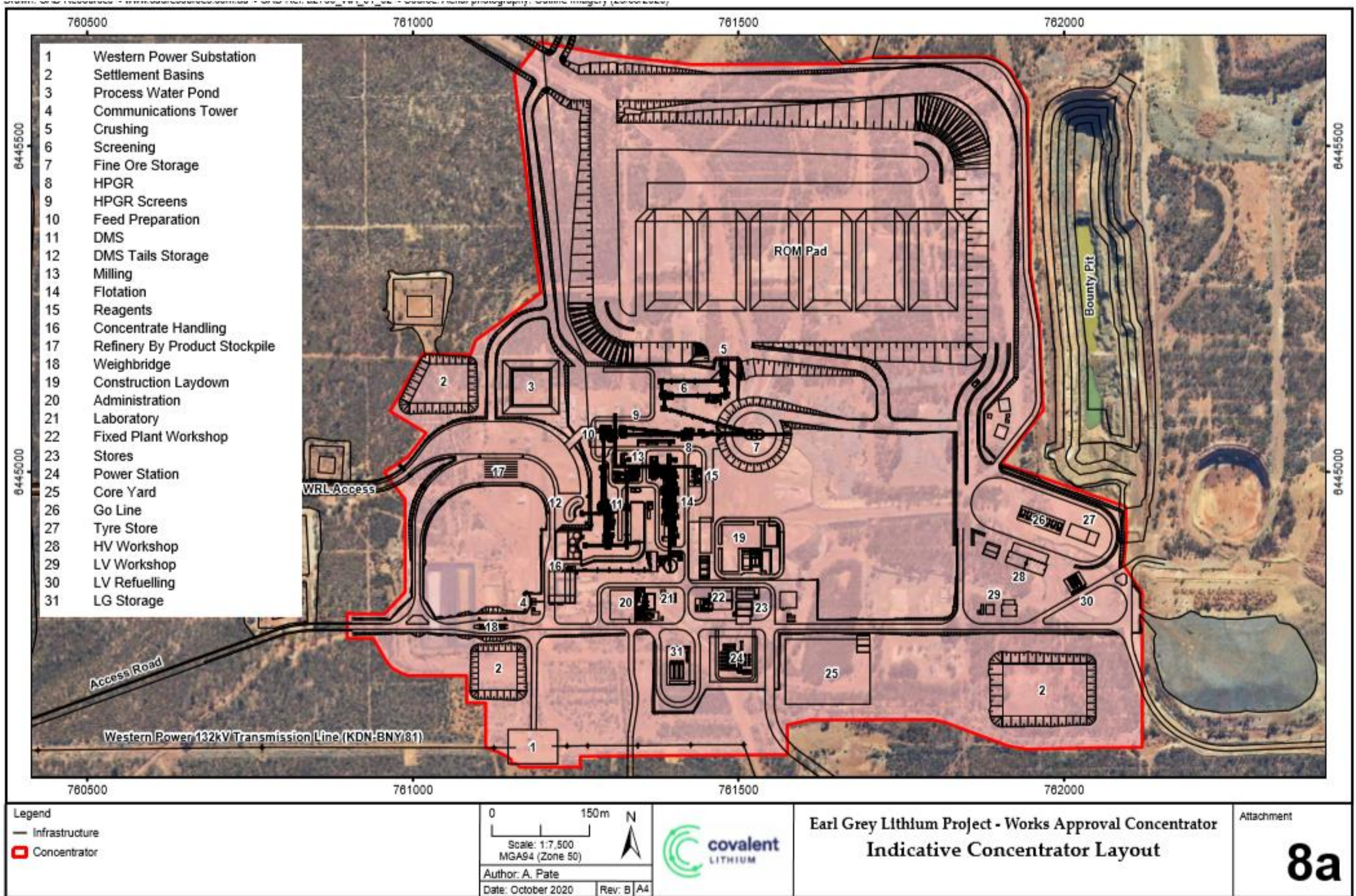


Figure 2: Layout and location of concentrator infrastructure



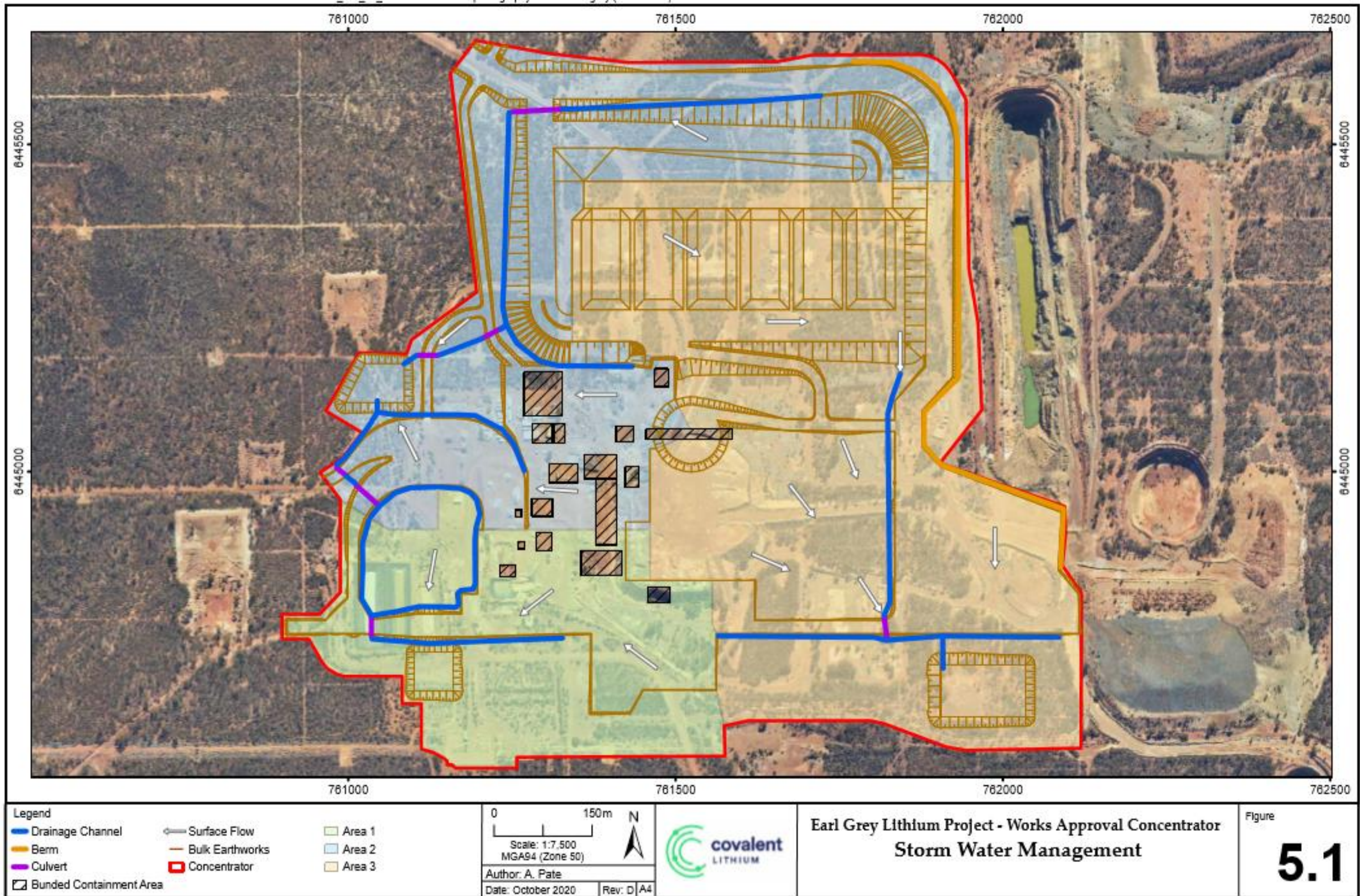


Figure 3: Location of stormwater drainage infrastructure.



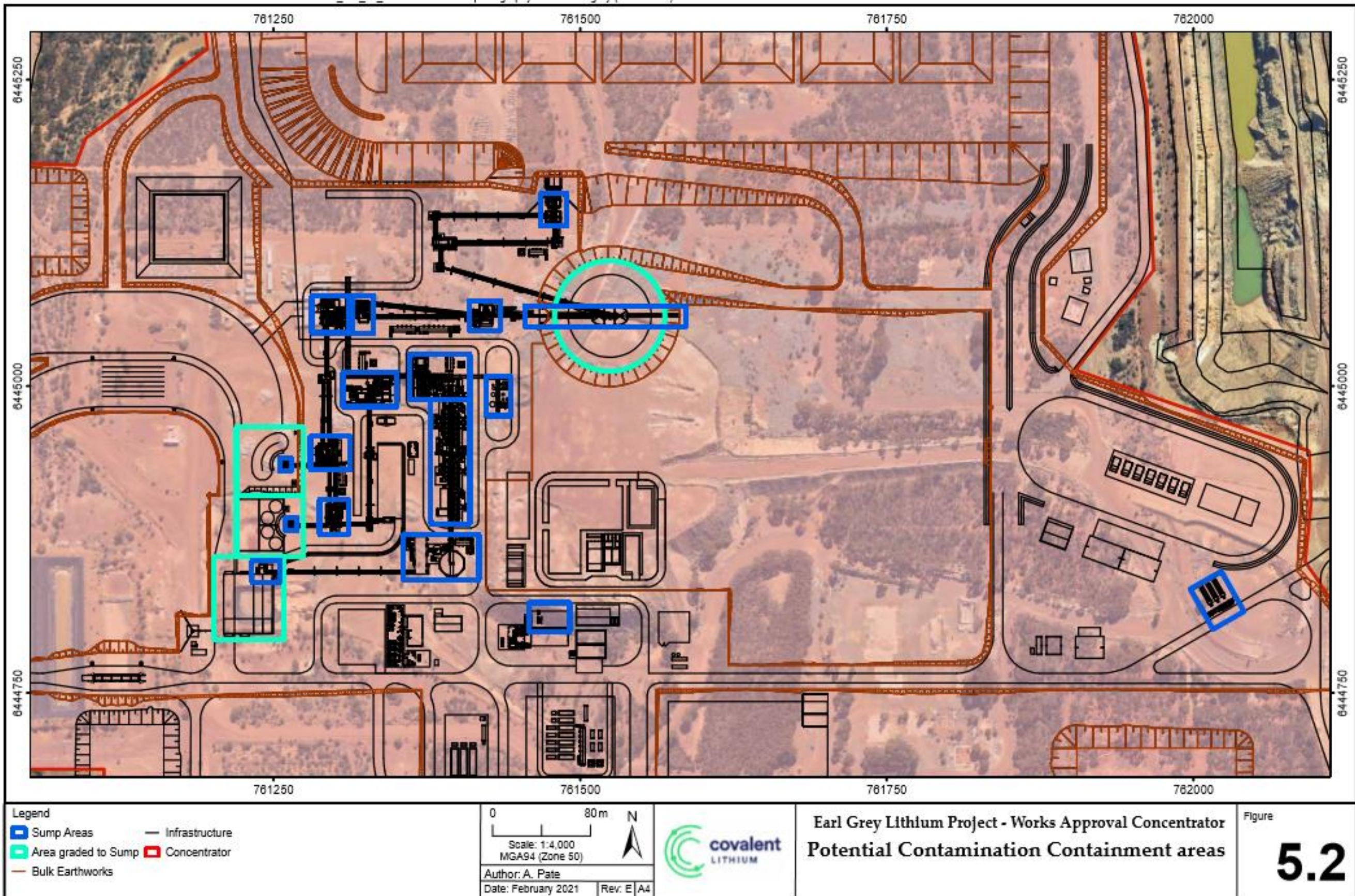


Figure 4: Location of bunded containment areas within the concentrator area.



## Schedule 2: Premises boundary

The premises boundary is defined by the coordinates in Table 3.

**Table 3: Premises boundary coordinates (GDA 94 projected to MGA94 Zone 50)**

Pnt	MGA_East	MGA_North
1	762916	6442772
2	762855	6442587
3	762226	6442586
4	761825	6442583
5	761825	6442608
6	761621	6442580
7	761621	6443156
8	761439	6443137
9	761195	6443102
10	760898	6442870
11	760346	6442862
12	759353	6442850
13	759334	6442850
14	759325	6444273
15	758601	6444282
16	758613	6444929
17	758614	6444980
18	758649	6447712
19	761151	6447652
20	761138	6447117
21	761134	6446977
22	761468	6446968
23	762194	6446954
24	762199	6446270
25	762899	6446249
26	762898	6445687
27	763593	6445678
28	763594	6444897
29	762906	6444899
30	762916	6443895
31	762916	6442772