Government of Western Australia
Department of Water and Environmental Regulation

# Licence

| | |
|---|---|
| **Licence number** | L9221/2019/1 |
| **Licence holder** | Fortescue Ltd |
| **ACN** | 002 594 872 |
| **Registered business address** | Level 2/87 Adelaide Terrace<br>EAST PERTH WA 6004 |
| **DWER file number** | DER2019/000542 |
| **Duration** | 04/12/2019 to 12/3/2039 |
| **Date of Issue** | 03/12/2019 |
| **Date of amendment** | 05/02/2024 |
| **Premises details** | Eliwana Iron Ore Mine<br>Mining Tenements M47/1509, and part of tenements M47/1522, M47/1523, M47/1524, M47/1525, M47/1526, M47/1537 and M47/1601<br>HAMERSLEY RANGE WA 6716 |

| **Prescribed premises category description (Schedule 1, *Environmental Protection Regulations 1987*)** | **Assessed production/ design capacity** |
|---|---|
| Category 5: Processing or beneficiation of metallic or non-metallic ore | 35,000,000 tonnes per annum |
| Category 6: Mine dewatering | Volume as specified under Ministerial Statement 1109 |
| Category 12: Screening etc. of material | 1,000,000 tonnes per annum |
| Category 52: Electric power generation | 30.4 MW in aggregate |
| Category 54: Sewage facility | 350 $m^3$ per day |
| Category 57: Used tyre storage (general) | 5,000 tyres |
| Category 62: Solid waste depot | 6,000 tonnes per annum |
| Category 63: Class I inert landfill site | 7,000 tonnes per annum |
| Category 64: Class II putrescible landfill site | 10,000 tonnes per annum |
| Category 73: Bulk storage of chemicals etc. | 6,500 $m^3$ in aggregate |
| Category 77: Concrete batching or cement products manufacturing | 18,000 tonnes per annum |

This licence is granted to the licence holder, subject to the attached conditions, on 05 February 2024 by:

Sonya Poor
Digitally signed by Sonya Poor
Date: 2024.02.05 11:42:37 +08'00'

**A/MANAGER, RESOURCE INDUSTRIES**

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

# Licence history

| Date | Reference number | Summary of changes |
|---|---|---|
| 3/12/2019 | L9221/2019/1 | Licence granted |
| 25/05/2020 | L9221/2019/1 | Amended to add Category 54 for operation of the Eliwana Mine WWTP |
| 17/03/2021 | L9221/2019/1 | Amended to add:<br>• Category 52 electric power generation from W6294/2019/1<br>• Category 57 used tyre storage<br>• Category 73 Bulk storage of chemicals etc. from W6294/2019/1 (not including the Fuel Storage Facility)<br>• Category 12 extension to the prescribed premises boundary consistent with approved Ministerial Statement (MS)1109 mine development envelope. |
| 31/01/2022 | L9221/2019/1 | Amended to add:<br>• New category 5 processing or beneficiation of metallic or non-metallic ore constructed under W6294/2019/1<br>• New category 6 mine dewatering constructed under W6294/2019/1. Dewatering discharge up to 4 GL/year to surface and managed aquifer recharge. Note regulated under Ministerial Statement 1109 (up to 4 GL/year).<br>• Include an additional three diesel generators at the camp power station to provide an additional 3 MW of power.<br>• Category 57 used tyre storage. Change in location for the storage and burial of used tyres. No change in number of used tyres stored or buried.<br>• Category 73 bulk storage of chemicals. Increase capacity from a current combined volume of 1,800 $m^3$ to a new combined volume of 4,500 $m^3$ as approved through W6294/2019/1.<br>• New oily water separator discharge outlet. |
| 30/03/2023 | L9221/2019/1 | Amend to include:<br>• New categories 62 and 64 assessed under W6478/2020/1.<br>• Increase used tyre storage at the Premises prior to burial and include additional burial locations (disused mined pits).<br>• Administrative changes for the OWS discharge points.<br>• Administrative changes to upgrade maps in Schedule 1.<br>• Include Category 63 for the dispose of concrete, rubber and untreated timber waste within mined voids and waste rock dumps.<br>• Increase the volume of bulk storage of chemicals (category 73) from 4,500 $m^3$ to 6,500 $m^3$.<br>• Extension of the approved Shooting Star Managed Aquifer Recharge (MAR) borefield and injection network to include the new Apollo injection borefield (consisting of an additional 6 new injection bores and ~5 km of injection pipeline) with an additional ~15 km of pipeline required for Flying Fish dewatering to be connected to Apollo. Note the MAR program is regulated under Ministerial Statement 1109. |

| Date | Reference number | Summary of changes |
|---|---|---|
| 05/02/2024 | L9221/2019/1 | Licence amendment to include the following:<br>• Category 77 Concrete batching or cement products manufacturing.<br>• Mining tenement M47/1601 to the prescribed premises boundary.<br>• Approved Apollo MAR borefield to Schedule 1 Map, namely Figure 1. |

# 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:

## General conditions

## Infrastructure and equipment

**1.** The licence 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 1.

**Table 1: Design and construction/installation requirements**

| Infrastructure | Design and construction / installation requirements | Infrastructure location |
|---|---|---|
| Eliwana Mobile Concrete Batch Plant (CBP) | • Maximum production capacity of 50 $m^3$/hr<br>• Mobile mounted batch plant consisting of:<br>- Ground Granulated Blast-Furnace Slag silo (if required)<br>- A cement weigh hopper<br>- Twin aggregate weigh bins (if required) | Within the process area in Schedule 1 Figure 11 |
| Aggregate storage bins/bays/stockpiles | • Each of the aggregate storage bins/bays/ stockpiles must be fitted with a dedicated spray water system<br>• The spray water system for each bin/bay must consist of multiple sprinklers, positioned in each bay to ensure coverage across the entire storage area | Within the process area in Schedule 1 Figure 11 |
| Wedge pit | • Wedge pit constructed of concrete<br>• Wedge pit designed to avoid any overflows | Within the process area in Schedule 1 Figure 11 |
| Wash out pit | • Wash out pit constructed of an earthen bund and plastic lined<br>• Wash out pit designed to avoid any overflows | Within the process area in Schedule 1 Figure 11 |
| Diversion structures (bunds or channels) | Diversion structures (bunds or channels) must be installed to separate and divert clean surface water flows around the CBP work areas and stockpiles. | Not shown |

**2.** The licence holder must operate the Eliwana CBP in accordance with the condition 3 of this Licence, following submission of the compliance document required under condition 9.

**3.** The licence holder must ensure that the site infrastructure listed in Table 2 and located at the corresponding infrastructure location, is maintained and operated in accordance with the corresponding operational requirement set out in Table 2.

**Table 2: Infrastructure and equipment requirements**

| Site infrastructure | Operational requirement | Infrastructure location |
|---|---|---|
| Ore Processing Facility and<br>Train load out | • Maintain and operate dust extractor fans and dust collectors at the tertiary crushers<br>• Ensure all screens with exposed decks have the dust covers adequately maintained<br>• Ensure all processing equipment feed and discharge points are adequately enclosed within covers/chutes<br>• Ensure all conveyor loading zones and discharge points covers or head chutes have maintained dust curtains<br>• Maintain and operate water sprays fitted at the following transfer points:<br>- ROM feed bin<br>- Apron feeder to primary crusher<br>- Primary crusher to primary crusher discharge feed conveyors<br>- Primary crusher discharge feed conveyors to scalping screen feed conveyors 2<br>- Tertiary crusher to screen feed conveyor<br>- Product screen undersize to product conveyor<br>- Overland conveyor to stockpiling conveyor<br>- Stacker conveyor transfer points<br>- Train loadout conveyor and bin<br>• Maintain and operate water cannons at ore stockpiles<br>• Processing of no more than 35,000,000 tonnes per annum | Schedule 1 – Figure 1, Figure 6 and Figure 7 |
| Windrows or bunds | Maintained to direct stormwater run-off from the catchment away from the operational areas | Schedule 1 – Figure 1 |
| Sumps, stormwater drain systems and sediment basins | Maintained to collect storm water and wash water within operational areas of the premises boundary, ensuring sediment does not accumulate to affect operation | Schedule 1 – Figure 1, Figure 6 and Figure 7 |

| Site infrastructure | Operational requirement | Infrastructure location |
|---|---|---|
| Kartajirri Camp WWTP | Maintain the Kartajirri Camp WWTP infrastructure in good working order to prevent and manage spills | Schedule 1 – Figure 1 and Figure 2 |
| Power station | • 15 self-bunded diesel generator sets<br>• 1 backup self-bunded diesel generator set<br>• 3 x 200 KL self-bunded diesel storage tanks<br>• spill kit located at the power station<br>• design capacity of 30.4 MW | Schedule 1 – Figure 1 and Figure 3 |
| Camp power station generators | • 3 x 1.4 MW self-bunded diesel generator sets<br>• Equipped spill kit located at the camp power station | Schedule 1 – Figure 5 |
| Used tyre storage and disposal areas | • Used tyres buried within waste rock dumps and mined pit voids meeting the following criteria:<br>- In batches separated from each other by at least 100 mm of soil and each batch consisting of not more than 1,000 whole tyres; and<br>- Buried under a final soil cover of not less than 500 mm<br>• Stormwater drainage system to segregate internally captured stormwater with external surface water runoff<br>• Maximum number of used tyres stored onsite at any one time awaiting burial within waste rock dumps and mined pit voids must not exceed 5,000<br>• Used tyre stacks must not exceed 1,000 used tyres per stack<br>• Each used tyre stack must not exceed 5 m in height<br>• Used tyre stacks must be positioned in windrows with at least a 3 m separating distance between each windrow to allow access by fire-fighting equipment<br>• Maximum number of used tyres buried annually within waste rock dumps and mined pit voids shall not exceed 5,000 | Schedule 1 – Figure 8 |
| Class I inert waste | • The following wastes can be buried within waste rock dumps and mined pit voids:<br>- Concrete;<br>- Rubber; and<br>- Untreated timber | Schedule 1, Figure 8 |

| Site infrastructure | Operational requirement | Infrastructure location |
|---|---|---|
| | • Maximum volume of inert waste buried annually shall not exceed 7,000 tonnes<br>• Waste shall be buried under a final soil cover of not less than 500 mm | |
| Class II landfill | • The following wastes can be disposed of to the landfill trenches:<br>- Clean fill;<br>- Inert waste type 1;<br>- Putrescible waste; and<br>- Waste meeting the acceptance criteria for Class II landfill cells.<br>• Maximum volume of Class II waste buried annually shall not exceed 10,000 tonnes<br>• Maintain stock proof perimeter fence<br>• Tipping face must be less than 30 m in length and 2 m above ground level in height<br>• Waste must be covered at least weekly with dense, inert and incombustible material<br>• All reasonable and practical measures must be taken to ensure that no windblown waste escapes from the Premises and that wind-blown waste is collected on at least a monthly basis and returned to the tipping area<br>• No waste is to be placed within:<br>- 35 m from the prescribed premises boundary;<br>- 100 m from any surface water body; and<br>- 3 m of the highest level of the water table.<br>• Stormwater must be diverted away from the landfill trenches<br>• Stormwater that has come into contact with waste is to be diverted into a sump<br>• No burning of waste is to occur | Schedule 1, Figures 9 and 10 |
| Solid waste depot | • A combined total of 6,000 tonnes per annum of hazardous and/or recyclable wastes can be stored or sorted, pending final disposal or re-use<br>• Hazardous waste is to be stored in self bunded containers and/or covered bins<br>• Asbestos is to be stored in asbestos waste bags inside covered bins<br>• Maintain stock proof perimeter fence | Schedule 1, Figure 9 |

| Site infrastructure | Operational requirement | Infrastructure location |
|---|---|---|
| | • A Fire and Emergency Management Plan must be implemented, that sets out:<br>- how fires will be prevented, detected, responded to, suppressed, contained and controlled for all approved activities addressing all waste types and stages of the waste handling, sorting and storage process.<br>- the firefighting equipment and fire response capabilities and responsibilities.<br>- waste handling, sorting and storage requirements for fire prevention and control; and<br>- how, in the event of a fire occurring within the approved activities, impacts to the environment and human health will be mitigated. | |
| Chemical and hydrocarbon storage | • Mobile bulk fuel storage located within the Premises boundary<br>• Maintain concrete hard stands, bunding and sumps to contain spills<br>• Empty sumps as required and before rain<br>• Maintain stormwater diversion drains<br>• No more than 6,500 $m^3$ in aggregate | Schedule 1, Figure 1, Figure 3, Figure 4, and Figure 5 |
| Oil water separator | • Maintained and operated so Total Recoverable Hydrocarbon (TRH) levels in discharge water is less than 15 mg/L at all times as per Table 4 | Schedule 1, Figure 6 |
| Eliwana CBP and Flying Fish CBP | • Operated and maintained in accordance with manufacturer's specifications<br>• Maintain and operate spray water system at each of the aggregate storage bins/bays/ stockpiles<br>• Intermittent wetting applied for stockpiles<br>• Diversion structures (bunds or channels) maintained to separate and divert clean surface water flows around the CBP work areas and stockpiles<br>• All stormwater drainage, washdown water and spillages within the CBP's work areas collected to designated collection points and sedimentation traps | Schedule 1, Figure 11 |

## Emissions

**4.** The licence holder must ensure that the emissions specified in Table 3 are discharged only from the corresponding discharge point and only at the corresponding discharge point location.

**Table 3: Authorised discharge points**

| Emissions | Discharge point | Discharge point location |
|---|---|---|
| Surplus Mine dewatering water | Apollo MAR and Shooting Star MAR borefields | As shown in Schedule 1 – Figure 1 'Bore Locations' |
| Treated wastewater blended with waste Reverse Osmosis brine. | Kartajirri Camp WWTP sprayfield area | As shown in Schedule 1 – Figure 2 |
| Fuel burning exhaust. | Power station generators:<br>• GN001<br>• GN002<br>• GN003<br>• GN004<br>• GN005<br>• GN006<br>• GN007<br>• GN008<br>• GN009<br>• GN010<br>• GN011<br>• GN012<br>• GN013<br>• GN014<br>• GN015<br>• GN29<br>Camp power station generators:<br>• GN091<br>• GN092<br>• GN093 | As shown in Schedule 1 – Figure 3, 4 and 5 |
| Treated Oily Water Separator wastewater | 1. OWS Contingency Discharge Point (during heavy rainfall events, maintenance periods, and inflow surges), as shown in Figure 6. Sampled prior to discharge<br>2. OWS Dust Suppression Outlet. Sampled quarterly | As shown in Schedule 1 – Figure 6. |

**5.** The licence holder must notify the CEO within 30 days of an exceedance where emissions:

(a) from the discharge point listed in Table 4;

(b) for the corresponding parameter;

(c) exceed the corresponding trigger value,

when monitored in accordance with Table 3.

And outline the management measures to be implemented with timeframes.

**Table 4: Emission trigger values**

| Discharge Point | Parameter | Trigger Value |
|---|---|---|
| Oily water discharge locations as shown in Schedule 1 – Figure 6 | Total Recoverable Hydrocarbons (TRH) | 15 mg/L |

## Operations

**6.** The licence holder must ensure that when irrigating via the Kartajirri Camp WWTP sprayfield that:

(a) raw reverse osmosis brine is not discharged undiluted;

(b) treated wastewater from the Kartajirri Camp WWTP is blended with waste RO brine for irrigation;

(c) no irrigation generated runoff or discharge occurs beyond the boundary of the WWTP sprayfield;

(d) irrigation does not occur on land that is waterlogged;

(e) wastewater is evenly distributed over the irrigation area, and that no ponding or pooling occurs;

(f) no soil erosion occurs;

(g) irrigation does not occur over leach drains or areas receiving stormwater drainage; and

(h) no livestock is permitted to graze the irrigation area.

## Monitoring

**7.** The licence holder must monitor emissions from the WWTP:

(a) from each discharge point;

(b) at the corresponding monitoring location(s);

(c) for the corresponding parameter;

(d) at the corresponding frequency;

(e) for the corresponding averaging period;

(f) in the corresponding unit; and

(g) using the corresponding method,

as set out in Table 5.

**Table 5: Emissions and discharge monitoring**

| Discharge point | Monitoring location | Parameter | Frequency | Averaging period | Unit | Method |
|---|---|---|---|---|---|---|
| Kartajirri Camp WWTP sprayfield - as depicted in Schedule 1– Figure 2 | Pipeline leading to the WWTP sprayfield | Flow volume to sprayfield | Continuous | 24 hours | kL/day | - |
| | | 5-Day Biochemical Oxygen Demand ($BOD_5$) | Quarterly | Spot sample | mg/L | AS/NZS 5667.10:1998<br>Measurement of pH with a serviced and calibrated field water quality meter is permitted.<br>Measurement of residual free chlorine with field based equipment is permitted.<br>For all other parameters sampled must be submitted to and tested by a laboratory with NATA accreditation. |
| | | Total Suspended Solids (TSS) | | | mg/L | |
| | | Total Nitrogen (TN) | | | mg/L | |
| | | Total Phosphorus (TP) | | | mg/L | |
| | | *E. coli* | | | cfu/100mL | |
| | | Residual Free Chlorine | | | mg/L | |
| | | pH | | | pH units | |
| | | Total dissolved solids (TDS) | | | mg/L | |
| | Reverse Osmosis brine tank inlet | Volume of brine received | Continuous | 24 hours | kL/day | - |

**8.** The licence holder must record the results of all monitoring activity required by condition 7.

## Records and reporting

**9.** The licence holder must within 30 calendar days of all items 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.

**10.** The Environmental Compliance Report required by condition 9, must include as a minimum the following:

(a) certification by a suitably qualified 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 or 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.

**11.** 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) any maintenance of infrastructure that is performed in the course of complying with conditions 1, 3 and 6 of this licence;

(c) complaints received under condition 13 of this licence;

(d) volume of concrete, rubber and untreated timber buried within waste rock dumps and mine pit voids;

(e) volume of waste buried within the class II landfill site;

(f) number of used tyres buried within waste rock dumps and mined pit voids; and

(g) monitoring programmes undertaken in accordance with condition 7 of this licence.

**12.** The books specified under condition 11 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

(d) be available to be produced to an inspector or the CEO as required.

**13.** 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.

**14.** 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 by 31 March each year an Annual Audit Compliance Report, for the preceding annual period, in the approved form.

**15.** The licence holder must submit to the CEO by 31 March each year an Annual Environmental Report for the preceding annual period for the conditions listed in Table 6, and which provides information in accordance with the corresponding requirement(s) set out in Table 6.

**Table 6: Annual Environmental Report**

| Conditions | Requirement |
|---|---|
| Condition 3 | • summary of inspections and maintenance performed;<br>• volume of concrete, rubber and untreated timber buried within waste rock dumps and mine pit voids;<br>• volume of waste buried within the class II landfill site;<br>• number of used tyres buried within waste rock dumps and mined pit voids |
| Condition 7 | • volume (in kL) of brine received at the RO brine tank for the Kartajirri Camp WWTP in monthly cumulative volumes presented in table format;<br>• volume (in kL) of wastewater applied daily to each irrigation area, and monthly cumulative volumes presented in table format;<br>• treated wastewater monitoring data in tabulated and graphical form including the sampling date;<br>• tabulated quarterly and annual loadings of nitrogen, phosphorus and BOD applied to each irrigation area, including an explanation of the basis for determining loading rates; and<br>• an assessment and interpretation of the data, including comparison to historical trends |
| Condition 13 | • complaints summary |
| Condition 14 | • include Annual Audit Compliance Report |
| N/A | • 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 |

## Definitions

In this licence, the terms in Table 7 have the meanings defined.

**Table 7: 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 the same year. |
| AS/NZS 5667.10-1998 | Australian/New Zealand Standard: Water quality – sampling – guidance on sampling of waste waters. |
| BOD | Biochemical Oxygen Demand. |
| Books | has the same meaning given to that term under the EP Act. |
| CBP | Concrete Batching Plant |
| CEO | means Chief Executive Officer of the Department.<br>"submit to / notify the CEO" (or similar), means either:<br>Director General<br>Department administering the Environmental Protection Act 1986<br>Locked Bag 10<br>Joondalup DC WA 6919<br>or:<br>info@dwer.wa.gov.au |
| cfu/100ml | Colony forming unit per 100 millilitres. |
| Class I landfill | means an unlined landfill designed to accept inert waste for burial. |
| Class II landfill | means an unlined landfill designed to accept putrescible and inert waste for burial. |
| Clean fill | As defined in the Landfill Definitions. |
| Department | means the department established under section 35 of the Public Sector Management Act 1994 (WA) and designated as responsible for the administration of the EP Act, which includes Part V Division 3. |

| Term | Definition |
|---|---|
| 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 licence. |
| EP Act | *Environmental Protection Act 1986* (WA). |
| EP Regulations | *Environmental Protection Regulations 1987* (WA). |
| Hazardous wastes | Includes chemicals and hydrocarbons (including oily rags, batteries and waste oil), asbestos, medical waste and fluorescent lighting tubes. |
| Inert Waste Type 1 | As defined in the Landfill Definitions. |
| Inert Waste Type 2 | As defined in the Landfill Definitions. |
| kL | Kilolitres. |
| Landfill definitions | *Landfill Waste Classification and Waste Definitions 1996 (as amended 2019)* |
| 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. |
| MAR | Managed Aquifer Recharge. |
| mg/L | Milligrams per litre. |
| mS/cm | Microsiemens per centimetre. |
| NATA | National Association of Testing Authorities. |
| 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 in Schedule 1 of this licence. |
| Prescribed premises | has the same meaning given to that term under the EP Act. |
| Putrescible Waste | As defined in the Landfill Definitions. |
| Quarterly | The four periods from 1 January to 31 March; 1 April to 30 June; 1 July to 30 September; 1 October to 31 December. |

| Term | Definition |
|---|---|
| Recyclable | includes paper, glass, plastic, scrap metal, wood, empty IBC (Intermediate bulk containers), fire extinguishers, HDPE liner, conveyor belts and waste rubber, and empty AN bags. |
| TDS | Total dissolved solids. |
| TN | Total nitrogen. |
| TP | Total phosphorus. |
| TSS | Total suspended solids. |
| Waste | has the same meaning given to that term under the EP Act. |
| WWTP | Wastewater Treatment Plant. |

**END OF CONDITIONS**

# Schedule 1: Maps

## Premises map and premises boundary coordinates

**The premises boundary is shown in Figure 1.**

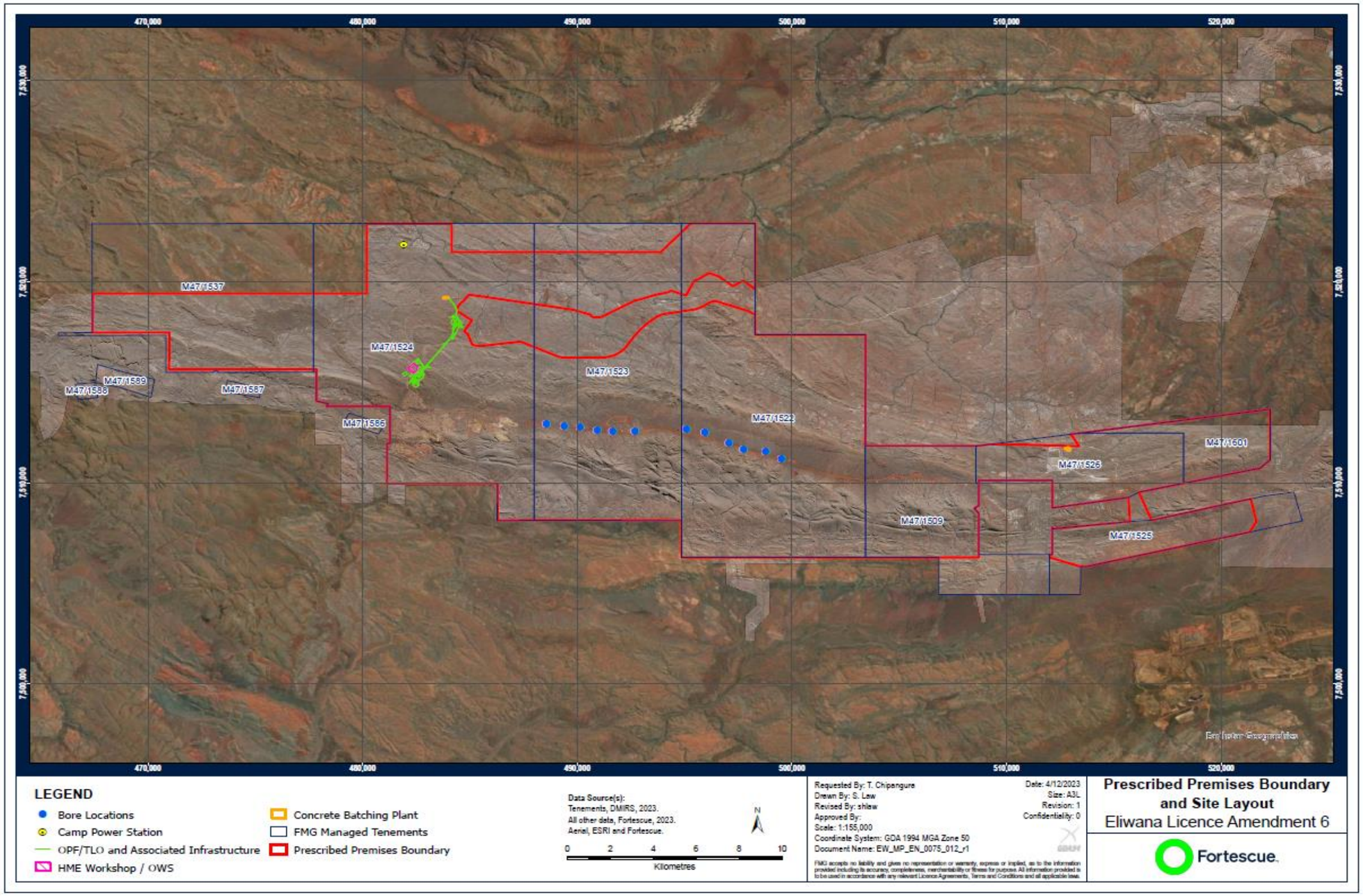


**Figure 1: Prescribed premises boundary**

## WWTP layout maps


**Figure 2: Kartajirri Camp WWTP**

## Power Station and generator layout maps

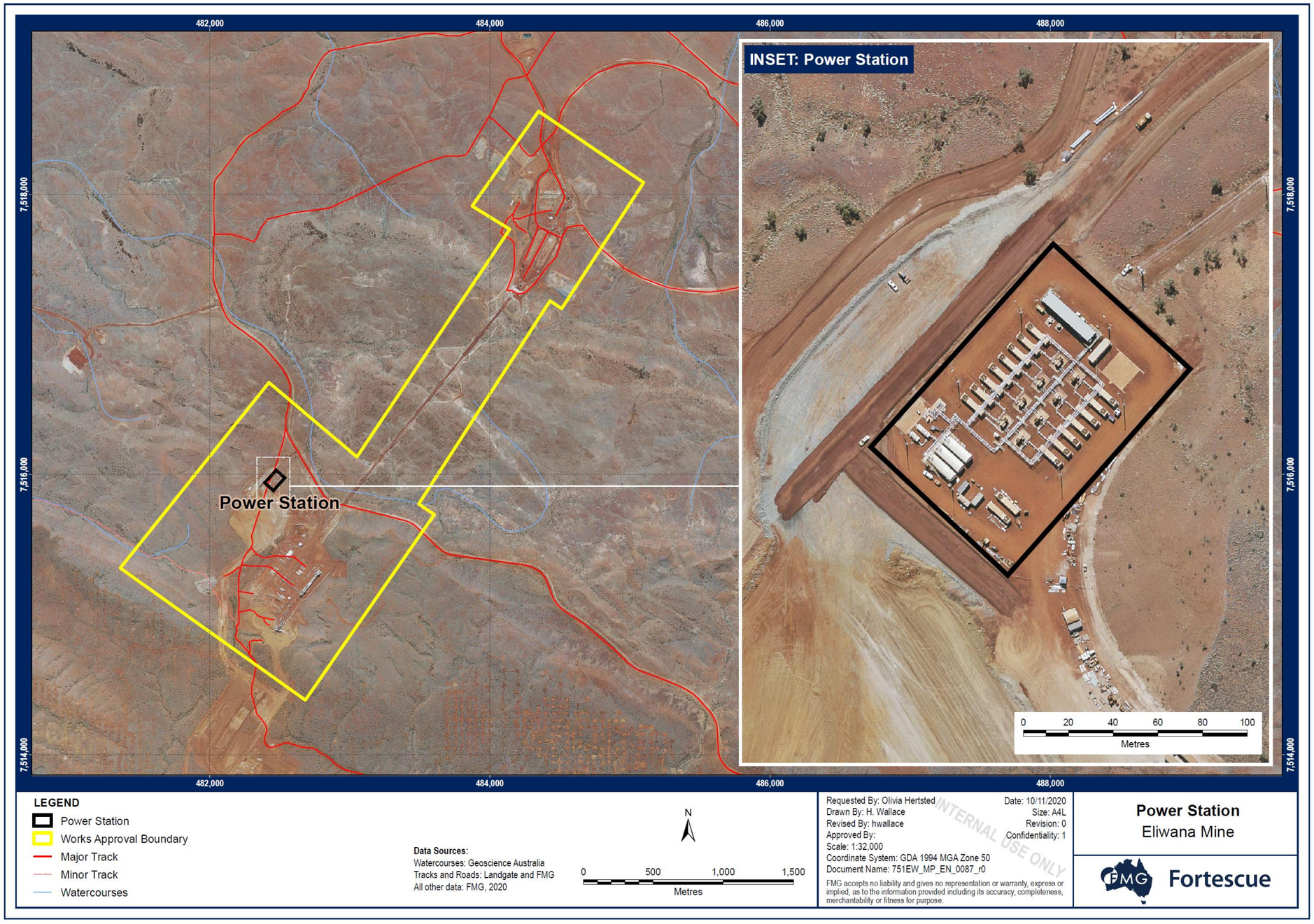


**Figure 3: Power station**

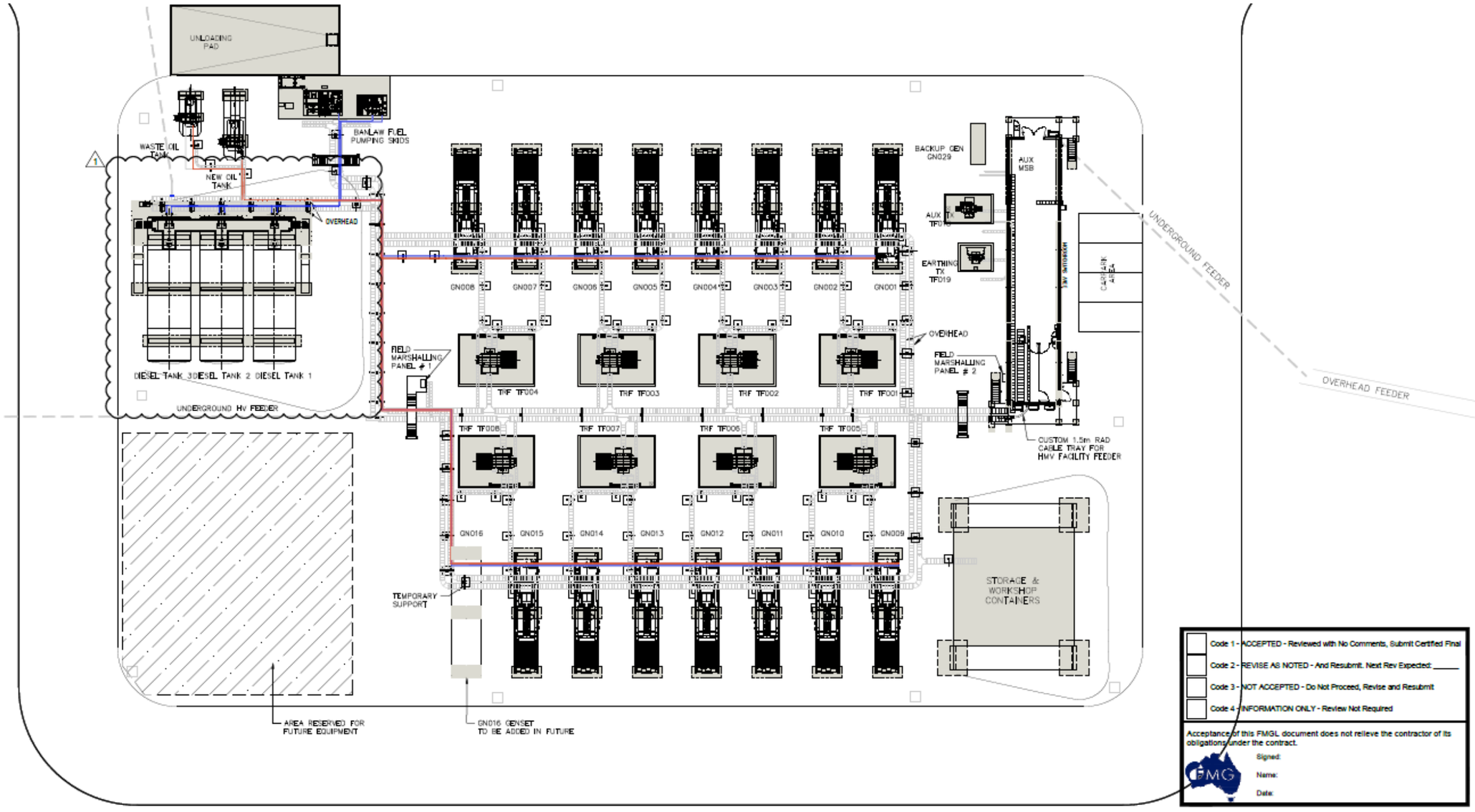


**Figure 4: Generator layout**

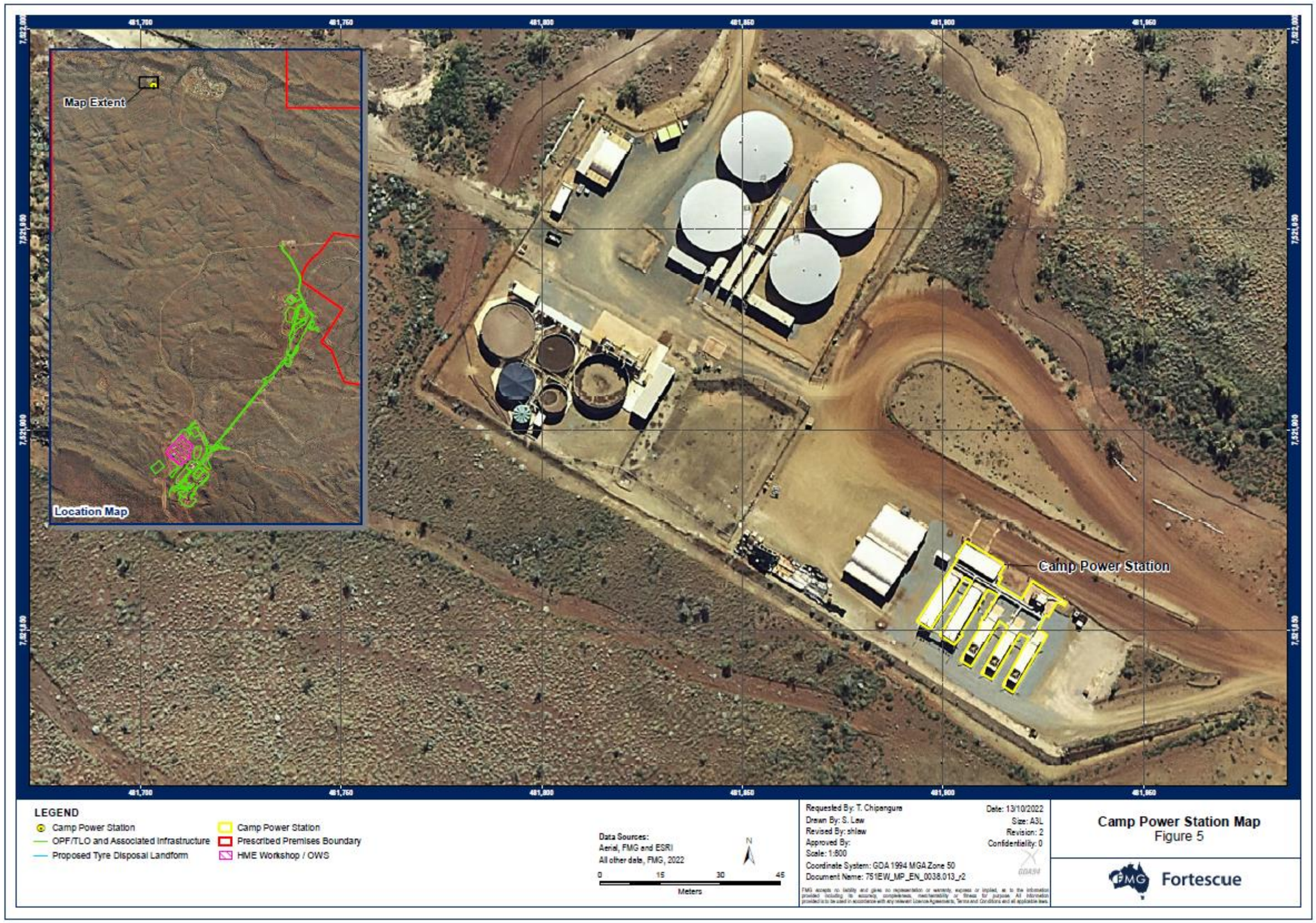


**Figure 5: Camp Power Station generator layout**

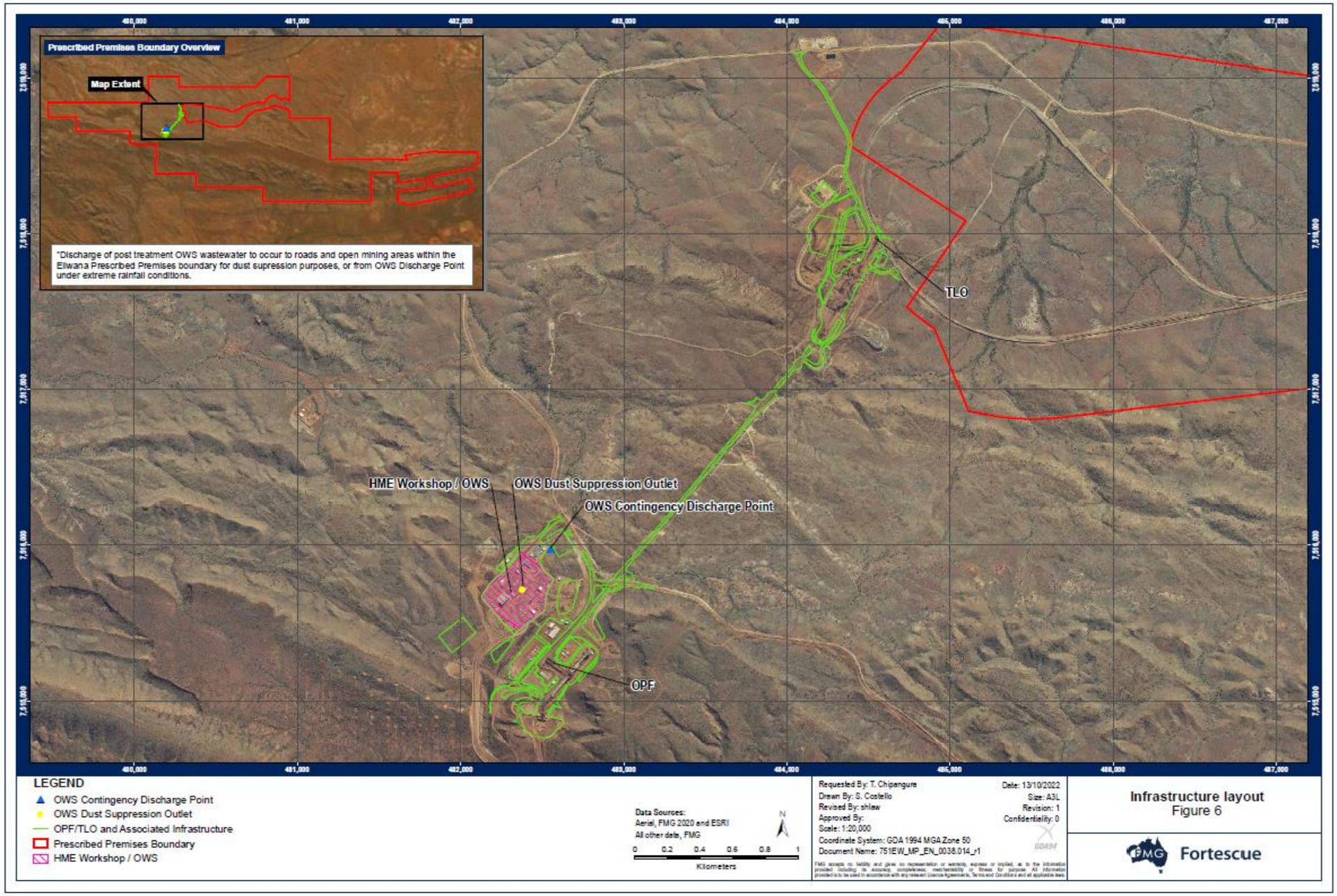


**Figure 6: Infrastructure layout**

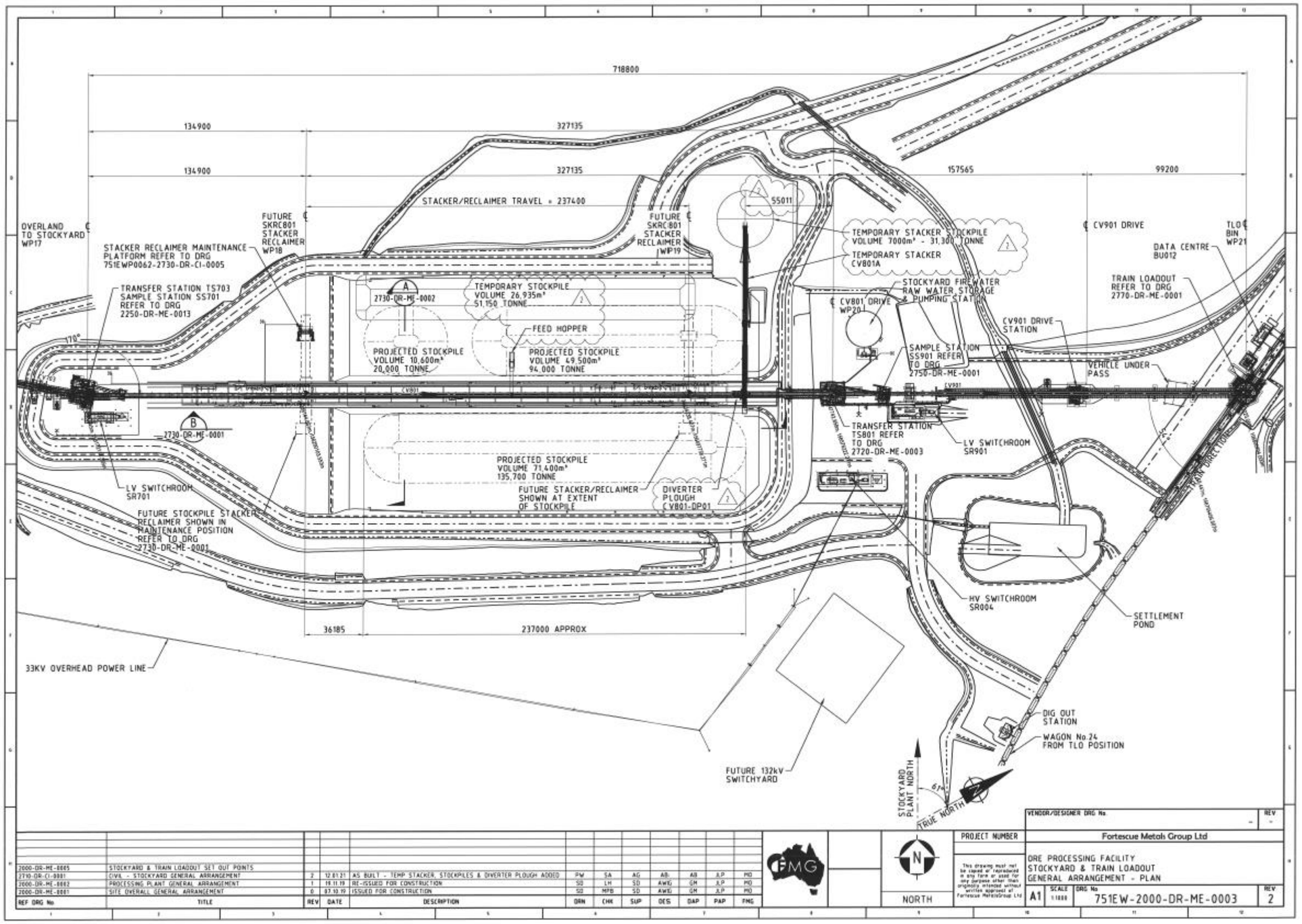


**Figure 7: Ore processing facility layout**

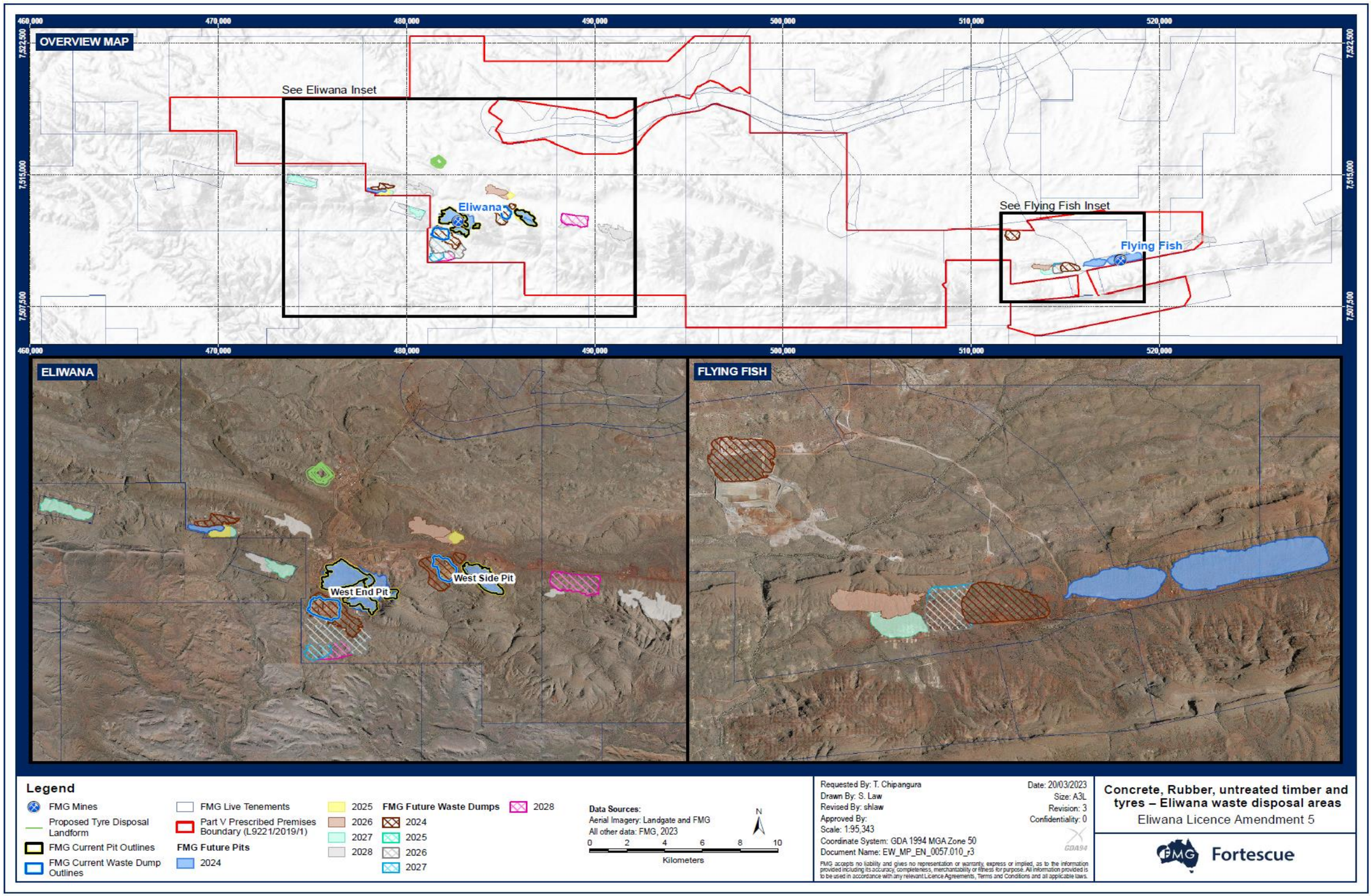


**Figure 8: Inert waste pit disposal areas**


**Figure 9: Class II Landfill and Waste Transfer Facility**

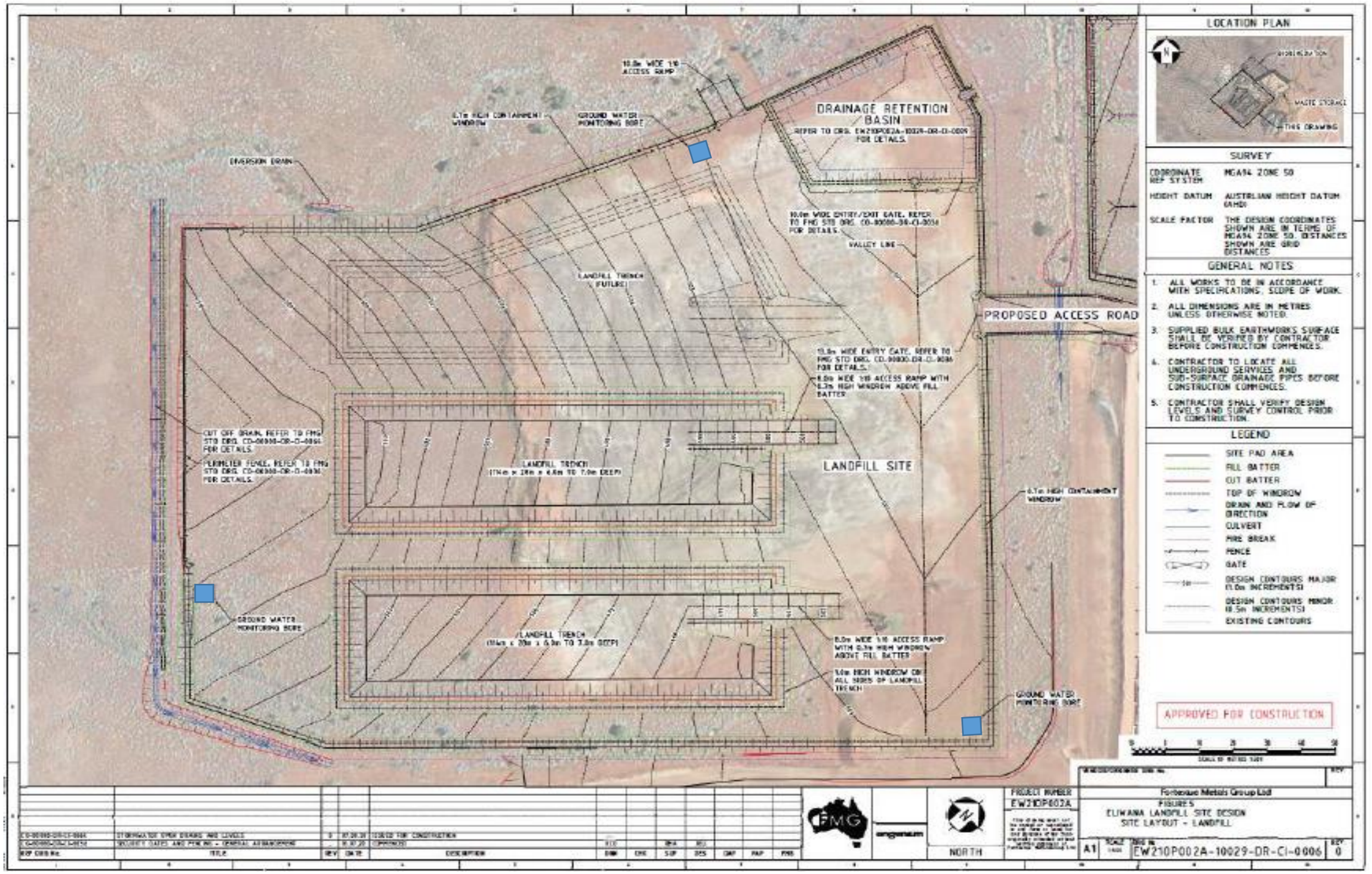


**Figure 10: Class II Landfill design**


**Figure 11: Locations of Concrete Batching Plants**