Government of Western Australia
Department of Water and Environmental Regulation

Works Approval

Works approval number	W6978/2024/1
Works approval holder	Pilbara Iron Company (Services) Pty Ltd
ACN	107 210 248
Registered business address	Level 18, Central Park 152-158 St Georges Terrace PERTH WA 6000
DWER file number	DER2024/000446
Duration	28/05/2025 to 27/05/2029
Date of issue	28/05/2025
Premises details	Brockman Syncline 1 Main Development Miscellaneous Licence L47/880 and L47/141 and Mineral Lease ML4SA (Sections 102, 103, 104, 244, 279, 292 and 295) ROCKLEA WA 6751 As depicted in Schedule 1 and defined by the coordinates in Schedule 2

Prescribed premises category description (Schedule 1, *Environmental Protection Regulations 1987*)	**Assessed design capacity**
Category 5: Processing or beneficiation of metallic or non-metallic ore	25,000,000 tonnes per year
Category 6: Mine dewatering	6,400,000 tonnes per year
Category 12: Screening etc. of material	10,000,000 tonnes per year
Category 64: Class II putrescible landfill site	6,000 tonnes per year
Category 73: Bulk storage of chemicals etc.	2,566 cubic metres in aggregate
Category 85: Sewage facility	31.1 cubic metres per day

This works approval is granted to the works approval holder, subject to the attached conditions, on 28 May 2025, by:

Jarrod Abrahams

Digitally signed by Jarrod Abrahams
Date: 2025.05.28 08:53:08 +08'00'

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

Works approval history

Date	Reference number	Summary of changes
28/05/2025	W6978/2024/1	Works approval granted.

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 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
1	Ore processing facilities	Comprised of the following infrastructure: • A primary crushing facility • A discharge conveyor • An overland conveyor (OLC) • A surge bin facility <u>Dust controls</u>: • Dry baghouse dust extraction system installed at the primary crushing facility • Baghouse to be located above the conveyor 2113-CNV-0130 as shown in Schedule 1, Figure 3 • Three dust suppression sprays installed just after the OLC loading modules prior to the dust covers on the OLC • OLC dust covers installed along the length of the conveyors • OLC dust covers installed downstream of the tail end loading module up to the skirted section at the transfer point at the top of the surge bin • An insertable dust collector (including dust collection system and extraction fan) installed at the top of the surge bin facility <u>Stormwater management:</u> • Local surface water management structures installed at the ROM pad, primary crushing facility, transfer stations and surge bin facility to manage surface water flows beneath the processing facilities • Surface water management structures enable the retention of potentially sediment laden	At the location shown in Schedule 1, Figure 2 As shown in Schedule 1, Figure 3

	Infrastructure	Design and construction / installation requirements	Infrastructure location
		surface water, directing it to drive-in collection sumps and sedimentation ponds • Primary crusher, transfer station and surge bin located on concrete hardstand • Concrete hardstand graded such that surface water run-off is directed into a drive-in collection sump to allow removal of sediments • Collection sump to include oily water detectors and an alarm • Culverts designed to maintain surface water flows across the OLC foundation	
2	Brockman Syncline 4 tie-in	• Addition of single apron feeder <u>Dust controls</u>: Dust suppression spray located downstream of the load point where the apron feeder discharges onto conveyor BCV210	At the location shown in Schedule 1, Figure 2
3	Dewatering discharge point	• Outlet design includes non-woven geotextile membrane covered by approximately 500 mm high gabion structures • Rip rap apron at the outlet, in addition to rip rap protection extending approximately 75 m into Boolgeeda Creek • Discharge point to include gabion style baffling which extends into the creek to slow the discharge of water • Flowmeter installed at the discharge point to record discharge volumes	At the location shown in Schedule 1, Figure 4 As shown in Schedule1, Figure 5
4	Dewatering pipeline	• Pipeline constructed of high-density polyethylene with short sections of steel pipe at valves and pump stations • Pipeline to following existing tracks and contours • Concrete pads at pump station areas • Fitted with telemetry downstream of each pump system • Includes automatic cut-outs for remote flow control	
5	Mobile crushing and screening plants	Comprised of the following infrastructure: • Primary Jaw Crusher (300 m^3/hr capacity) • Secondary Cone Crusher (175 m^3/hr capacity) • Heavy Duty Screen or similar <u>Dust controls</u>:	Located within the prescribed premises boundary as shown in Schedule 1, Figure 1

	Infrastructure	Design and construction / installation requirements	Infrastructure location
		Dust suppression sprays at hopper and jaw crusher, on the main conveyor and discharge conveyor	
6	Landfill	• Landfill located more than 100 m from any permanent or perennial watercourse • Landfill located so that the vertical distance between the waste and highest seasonal and expected post mining groundwater level is no less than 3 m • Tipping face no longer than 30 m wide • Trench length from 50-300 m long, 11 m wide, with a maximum depth of 6 m • Four cells within each trench • Landfill surrounded by a 1.8 m high cyclone fence with a lockable gate • Signage installed near the access gate showing waste streams accepted <u>Stormwater management</u>: • 500 mm windrow along the fence line • Windrows established approximately 400 mm high around the perimeter of each trench • Sump or bunding constructed to collect any surface water that has come into contact with waste • Ramping to the open trench featuring a 200 mm high roll over bund	As shown in Schedule 1, Figure 8
7	Bulk fuel storage facilities	<u>Permanent facilities:</u> Concrete hardstands installed under all areas where there is potential for hydrocarbon spills to direct water to the oily water collection and treatment system, including at the refuelling facility, lubrication facility and vehicle washdowns within the NPI hub Road tanker unloading pads, heavy vehicle refuelling bay and pump station bunded area, lubrication storage containment bund and wash down pads all graded such that water is directed into a drive-in collection sump with drying pad <u>Diesel fuel storage</u>: • 4x 200 kL self-bunded fuel storage tanks • Tanks designed and constructed in accordance with *AS 1940-2004* • All fuel storage tanks and transfer points above ground, self-bunded or with bunded areas / secondarily contained	As shown in Schedule 1, Figures 9 and 10

	Infrastructure	Design and construction / installation requirements	Infrastructure location
		Bulk Lubrication Storage Tanks: • 1x 55 kL oil storage tank • 4x 30 kL oil storage tanks • 1x 85 kL waste oil storage tank • 6x 1 kL oil storage tanks Oily water collection and treatment: • Coalescing tube oily water separator/s • Incorporate a spill recovery system • Designed to treat oily water so that effluent has a TRH concentration below 15 mg/L Temporary facilities: HDPE lined earthen spill containment bunds installed under each location where there is potential hydrocarbon spillage during loading or unloading Temporary refuelling facilities consisting of: • Temporary NPI – 2x 200 kL storage tanks • East EPCM – 3x 110 kL storage tanks • East Bulk Earthworks – 3x 110 kL storage tanks • OLC Bulk Earthworks – 1x 110 kL storage tanks • West Bulk Earthworks – 3x 110 kL storage tanks	
8	Sewage treatment facilities	Four sewage treatment facilities with Biomax units (i) Heavy Vehicle Refuelling Facility – 1.5 kL/day (ii) Tyre change – 1.5 kL/day (iii) HME Workshop – 7.4 kL/day (iv) Administration – 20.7 kL/day Biomax units comprises of the following: 1) Anaerobic chamber 2) Aerobic chamber 3) Clarification chamber 4) Disinfection chamber 5) Pump-out chamber fitted with high water level alarm Biomax units designed to treat effluent to the following performance targets: Biochemical Oxygen Demand: ≤20 mg/L Total Suspended Solids: ≤30 mg/L Faecal Coliforms: ≤10 cfu/100mL Residual Free Chlorine: <0.5 mg/L	At the locations shown in Schedule 1, Figures 6 and 7

	Infrastructure	Design and construction / installation requirements	Infrastructure location
		pH: 6.5 – 8.5 pH units Total Nitrogen: <30 mg/L Total Phosphorous: <8 mg/ Flow meters installed on each of the Biomax units	
9	Sprayfield	• One 8 ha sprayfield area to be constructed A 16 ha sprayfield footprint area has been designated, comprising two designated 8 ha sprayfield cells. Only one of the 8 ha areas will be constructed • Comprise of low height and low mist sprinklers • Surrounded by a containment bund windrow, stock fence and an access track	As shown in Schedule 1, Figure 6

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 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 and a detailed site plan for each item of infrastructure or component of infrastructure specified in condition 1;

(c) photographic evidence of the installation of the infrastructure; and

(d) be signed by a person authorised to represent the works approval holder and contains the printed name and position of that person.

4. Subject to condition 2, where an item of infrastructure or component of infrastructure has been certified as not being constructed, or does not comply with corresponding requirements, or contains material defects, the works approval holder must:

(a) correct the non-compliant or defective works, prior to re-certifying in accordance with condition 3(a); or

(b) provide to the CEO a description of, and explanation for, any departures from the requirements specified in Table 1 that do not require recertification and do not constitute a material defect along with the report required by condition 3.

Environmental commissioning phase

Environmental commissioning requirements and emission limits

5. The works approval holder may only commence environmental commissioning of an item of infrastructure identified in condition 5 once the Environmental Compliance Report has been submitted for that item of infrastructure in accordance with condition 2 and 3 of this works approval.

6. Any environmental commissioning activities undertaken for an item of infrastructure specified in Table 2 may only be carried out:

(a) in accordance with the corresponding commissioning requirements; and

(b) for the corresponding authorised commissioning duration.

Table 2: Environmental commissioning requirements

	Infrastructure	Commissioning requirements	Authorised commissioning duration
1	Ore processing facility	Environmental commissioning activities consisting of: ○ Stage 1: Construction Verification ○ Stage 2: Pre-commissioning ○ Stage 3: No-load Commissioning • Dry baghouse dust extraction system, dust suppression sprays and dust collector specified in condition 1 to be tested to ensure functionality	For a period not exceeding 180 calendar days
2	Bulk fuel storage	Environmental commissioning activities consisting of: ○ Phase 1: Dry commissioning of all systems to test functionality of the facility ○ Phase 2: Wet commissioning using diesel fuel to complete the testing and verify the electrical safety systems	For a period not exceeding 120 calendar days
3	Sewage treatment facilities	• Volumetric flow meters to be maintained on each Biomax unit to record volumes to the sprayfield • All Biomax units maintained and operated in accordance with the requirements as specified in condition 1 • All sewage storage and treatment tanks, vessels, transfer pipelines and conveyance infrastructure must be free of leaks or defects	For a period not exceeding 30 calendar days
4	Sprayfield	• Maintained and operated in accordance with the requirements as specified in condition 1 • Irrigation is managed to prevent ponding and pooling of effluent on the ground surface of the sprayfield	

7. During environmental commissioning, the works approval holder must ensure that the emission specified in Table 3, are discharged only from the corresponding discharge point and only to the corresponding discharge point location.

Table 3: Authorised discharge points during commissioning

Emission	Discharge point	Discharge point location
Treated effluent	Sprayfield	As shown in Schedule 1, Figure 6

Monitoring during environmental commissioning

8. The works approval holder must monitor emissions during environmental commissioning in accordance with Table 4.

Table 4: Emissions and discharge monitoring during environmental commissioning

Discharge point	Monitoring location	Parameter	Unit	Frequency	Averaging Period	Method
Sprayfield	Flow meter at each Biomax unit	Volumes discharged to sprayfield	kL/day	Continuous	Cumulative daily	Flow meter device
	Sample point at each Biomax unit on the effluent discharge line	*E. coli*	cfu/100 mL	Fortnightly	Spot sample	AS/NZS 5667.1 AS/NZS 5667.10
		Biochemical Oxygen Demand	mg/L			
		Total Suspended Solids				
		Total Nitrogen				
		Total Phosphorus				
		Residual chlorine				
		pH	pH units			

9. The works approval holder must ensure that all non-continuous sampling and analysis undertaken pursuant to condition 8 is undertaken by a holder of a current accreditation from the NATA for the methods of sampling and analysis relevant to the corresponding relevant parameter.

10. The works approval holder must record the results of all monitoring activity required by condition 8.

Environmental commissioning reporting

11. The works approval holder must submit to the CEO an Environmental Commissioning Report within 60 calendar days of the completion date of environmental commissioning for each item of infrastructure specified in Table 2.

12. The works approval holder must ensure the Environmental Commissioning Report required by condition 11 of this works approval includes the following:

(a) a summary of the environmental commissioning activities undertaken, including timeframes;

(b) a summary of the environmental performance of each item of infrastructure or equipment as constructed or installed (as applicable), which at a minimum includes records detailing the:

(i) commissioning of the infrastructure; and

(ii) testing of the infrastructure.

(c) the monitoring results for the sewage treatment facilities recorded in accordance with condition 8 with a comparison against the performance targets specified in condition 1;

(d) copies of laboratory reports for the monitoring results recorded in accordance with condition 8;

(e) a review of the works approval holder's performance and compliance against the conditions of this works approval; and

(f) where they have not been met, measures proposed to meet the manufacturer's design specifications and the conditions of this works approval, together with timeframes for implementing the proposed measures.

Time limited operations phase

Commencement and duration of time limited operations

13. The works approval holder may only commence time limited operations for an item of infrastructure identified in condition 1:

(a) where the item of infrastructure is not authorised to undertake environmental commissioning, the Environmental Compliance Report as required by condition 2 has been submitted by the works approval holder for that item of infrastructure; and

(b) where the item of infrastructure is authorised to undertake environmental commissioning under condition 6 the Environmental Commissioning Report for that item of infrastructure as required by condition 11 and 12 has been submitted by the works approval holder.

14. The works approval holder may commence time limited operations for an item of infrastructure specified in condition 15 (as applicable):

(a) at any time, dependent on meeting the requirements of condition 13;

(b) for a period not exceeding 180 calendar days from the day on which time limited operations commenced for that item of infrastructure; or

(c) until such time as a licence for that item of infrastructure is granted in accordance with Part V of the *Environmental Protection Act 1986*, if one is granted before the end of the period specified in condition 14(b).

Time limited operations requirements and emission limits

15. During time limited operations, the works approval holder must ensure that the premises infrastructure and equipment listed in Table 5 and located at the corresponding infrastructure location is maintained and operated in accordance with the corresponding operational requirement set out in Table 5.

Table 5: Infrastructure and equipment requirements during time limited operations

	Infrastructure	Time Limited Operations requirements	Infrastructure location
1	Ore processing facilities	• Not more than 25,000,000 tonnes of ore per year to be processed through the ore processing facility • Volumes of ore processed through the ore processing facility to be recorded • Dust controls maintained and operated on infrastructure as specified in condition 1	At the location shown in Schedule 1, Figure 2
2	Dewatering discharge point and pipeline	• Undertake weekly visual inspections of the dewatering pipelines to check for damage, ruptures and/or leaks • Flow meter to be maintained at discharge point to record discharge volumes	At the location shown in Schedule 1, Figure 4
3	Mobile crushing and screening plants	• Not more than 10,000,000 tonnes per year of material to be processed through the crushing and screening plants • Volumes of material processed through the crushing and screening plant to be recorded • If hydraulically angle-adjustable stockpiling conveyors are fitted minimise drop heights to reduce dust generation • Dust controls maintained and operated on infrastructure as specified in condition 1 • Dust suppression to be applied to work areas, access roads and stockpiles • Plants to be located on cleared construction laydown area • Diversion of contaminated stormwater around the area • Plants to be located 50 m from any permanent water bodies	Within the prescribed premises boundary as shown in Schedule 1, Figure 1

4	Landfill	• Not more than 6,000 tonnes per annum of the following waste types[1]:
		  ○ Clean Fill
		  ○ Uncontaminated Fill
		  ○ Inert Waste Type 1
		  ○ Special Waste Type 1
		  ○ Putrescible Waste
		• Volume and type of waste from each load to be
			At the location shown in Schedule 1, Figure 8

	Infrastructure	Time Limited Operations requirements	Infrastructure location
		monitored (tonnes) and recorded • Tipping area not greater than 30 m in length and at least 2 m above ground level height • Only one 30 m tipping face open at a time • Waste disposed within defined trenches • Trench locations to be opened in stages as required • Waste to be covered with soil or another inert approved material at least weekly with a minimum of 200 mm of cover material so that no waste is left exposed	
5	Bulk fuel storage facilities	• Chemicals and hydrocarbons stored in a manner consistent with AS 1940-2004 • Concrete hardstands direct water to the oily water collection and treatment system • Oily water treated by the OWS	As shown in Schedule 1, Figures 9 and 10
6	Sewage treatment facilities	• Volumetric flow meters to be maintained on each Biomax unit to record volumes to the sprayfield • All Biomax units maintained and operated in accordance with the requirements as specified in condition 1 • All sewage storage and treatment tanks, vessels, transfer pipelines and conveyance infrastructure must be free of leaks or defects	At the location shown in Schedule 1, Figure 6
7	Sprayfield	• 8 ha sprayfield • Maintained and operated in accordance with the requirements as specified in condition 1 • Irrigation is managed to prevent ponding and pooling of effluent on the ground surface of the sprayfield	At the location shown in Schedule 1, Figure 6

Note 1: As defined in the Landfill Definitions.

16. During time limited operations, the works approval holder must ensure that each emission specified in Table 6, are discharged only from the corresponding discharge point and only at the corresponding discharge point location.

Table 6: Authorised discharge points

	Emission	Discharge point	Discharge point location
1	Surplus mine dewater	Boolgeeda Creek discharge points	As shown in Schedule 1, Figure 4
2	Treated effluent	Sprayfield	As shown in Schedule 1, Figure 6
3	Treated water from the OWS	Dust suppression	Within the prescribed premises boundary as shown in Schedule 1, Figure 1

17. During time limited operations, the works approval holder must ensure that the emissions from the discharge point listed in Table 7 do not exceed the corresponding limit when monitored in accordance with condition 18.

Table 7: Emission and discharge limits during time limited operations

Discharge point	Parameter	Limit
OWS	TRH	15 mg/L

Monitoring during time limited operations

18. The works approval holder must monitor emissions during time limited operations in accordance with Table 8.

Table 8: Emissions and discharge monitoring during time limited operations

Discharge point	Monitoring location	Parameter	Unit	Frequency	Averaging Period	Method
Discharge point As shown in Schedule 1, Figure 4	Boolgeeda Creek discharge point	Volumetric flow rate	Continuous	Monthly	m^3	AS/NZS 5667.6
Sprayfield As shown in Schedule 1, Figure 6	Flow meter at each Biomax unit	Volumes discharged to sprayfield	kL/day	Continuous	Monthly cumulative	Flow meter device
	Sample point at each Biomax unit on the effluent discharge line	*E. coli*	cfu/100 mL	Quarterly	Spot sample	AS/NZS 5667.1 AS/NZS 5667.10
		Biochemical Oxygen Demand	mg/L			
		Total Suspended Solids				
		Total Nitrogen				
		Total				

Discharge point	Monitoring location	Parameter	Unit	Frequency	Averaging Period	Method
		Phosphorus				
		Residual chlorine				
		pH	pH units			
OWS	OWS at the Bulk Fuel Storage Facility	TRH	mg/L	Quarterly	Spot sample	AS/NZS 5667.1 AS/NZS 5667.10

19. All sample analysis must be undertaken by laboratories with current NATA accreditation for the relevant parameters, unless otherwise specified in Table 8.

20. The works approval holder must record the results of all monitoring activity required by condition 18.

21. The works approval holder must ensure that monitoring is undertaken in each quarterly period such that there are at least 45 days in between the days on which samples are taken in successive quarters.

Compliance reporting during time limited operations

22. The works approval holder must submit to the CEO a report on the time limited operations within 30 calendar days of the completion date of time limited operations or 30 calendar days before the expiration date of the works approval, whichever is the sooner.

23. The works approval holder must ensure the report required by condition 22 includes the following:

(a) a summary of the time limited operations, including start-date, timeframes and amount of material and ore processed;

(b) a summary of the environmental performance of all infrastructure as constructed or installed (as applicable), which includes records detailing the:

(i) volumes of wastewater processed; and
(ii) volumes of each waste type disposed of to the landfill.

(c) monitoring results for the sewage treatment facilities recorded in accordance with condition 18 with a comparison against the performance targets specified in condition 1;

(d) monitoring results for the OWS recorded in accordance with condition 18 with a comparison against the TRH limit in condition 17;

(e) copies of laboratory reports for monitoring results recorded in accordance with condition 18;

(f) a review of performance and compliance against the conditions of the works approval; and

(g) where the manufacturer's design specifications and the conditions of this works approval have not been met, what measures will the works approval

holder take to meet them, and what timeframes will be required to implement those measures.

Records and reporting (general)

24. 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.

25. 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;

(b) any maintenance of infrastructure that is performed in the course of complying with condition 1;

(c) monitoring programmes undertaken in accordance with conditions 8 and 18; and

(d) complaints received under condition 24.

26. The books specified under condition 25 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 9 have the meanings defined.

Table 9: Definitions

Term	Definition
ACN	Australian Company Number.
AS 1940-2004	means Australian Standard AS 1940-2004 *The storage and handling of flammable and combustible liquids*.
AS/NZS 5667.1	means the Australian Standard AS/NZS 5667.1 *Water Quality – Sampling – Guidance on the design of sampling programs, sampling techniques and the preservation and handling of samples.*
AS/NZS 5667.6	means the Australian Standard AS/NZS 5667.10 *Water Quality – Sampling – Guidance on sampling of rivers and streams.*
AS/NZS 5667.10	means the Australian Standard AS/NZS 5667.10 *Water Quality – Sampling – Guidance on sampling of waste waters.*
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 *Environmental Protection Act 1986* Locked Bag 10 Joondalup DC WA 6919 info@dwer.wa.gov.au
cfu/100 mL	colony forming units per 100 millilitres.
Clean Fill	has the meaning defined in Landfill Definitions.
Department	means the department established under section 35 of the *Public Sector Management Act 1994* 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 commissioning	means the sequence of activities to be undertaken to test equipment integrity and operation, or to determine the environmental performance, of equipment and infrastructure to establish or test a steady state operation and confirm design specifications.
Environmental Commissioning Report	means a report on any commissioning activities that have taken place and a demonstration that they have concluded, with focus on emissions and discharges, waste containment, and other environmental factors.
Environmental Compliance	means a report to satisfy the CEO that the conditioned infrastructure and/or equipment has been constructed and/or installed in accordance with the

Term	Definition
Report	works approval.
EP Act	*Environmental Protection Act 1986* (WA).
EP Regulations	*Environmental Protection Regulations 1987* (WA).
ha	hectares.
HDPE	high density polyethylene.
Inert Waste Type 1	has the meaning defined in Landfill Definitions.
kL/day	kilolitres per day.
Landfill Definitions	means the document titled "Landfill Waste Classification and Waste Definitions 1996 (as amended 2019)" published by the Chief Executive Officer of the Department of Water and environmental Regulation as amended from time to time.
m^3/day	cubic metres per day.
m^3/hr	cubic metres per hour.
mg/L	milligrams per litre.
mbgl	metres below ground level.
NATA	National Association of Testing Authorities.
OLC	overland conveyor.
OWS	oily water separator.
premises	the premises to which this works approval applies, as specified at the front of this works approval 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.
Putrescible Waste	has the meaning defined in Landfill Definitions.
ROM	Run of Mine.
Special Waste Type 1	has the meaning defined in Landfill Definitions.
suitably qualified engineer	means a person who: (a) holds a Bachelor of Engineering degree recognised by the Institute of Engineers; and (b) has a minimum of five years of experience working in the field of engineering; and (c) is employed by an independent third party external to the works

Term	Definition
	approval holder's business; or is otherwise approved in writing by the CEO to act in this capacity.
time limited operations	refers to the operation of the infrastructure and equipment identified under this works approval that is authorised for that purpose, subject to the relevant conditions.
TRH	Total Recoverable Hydrocarbons.
Uncontaminated Fill	has the meaning defined in Landfill Definitions.
waste	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.

END OF CONDITIONS

Schedule 1: Maps

Premises map

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

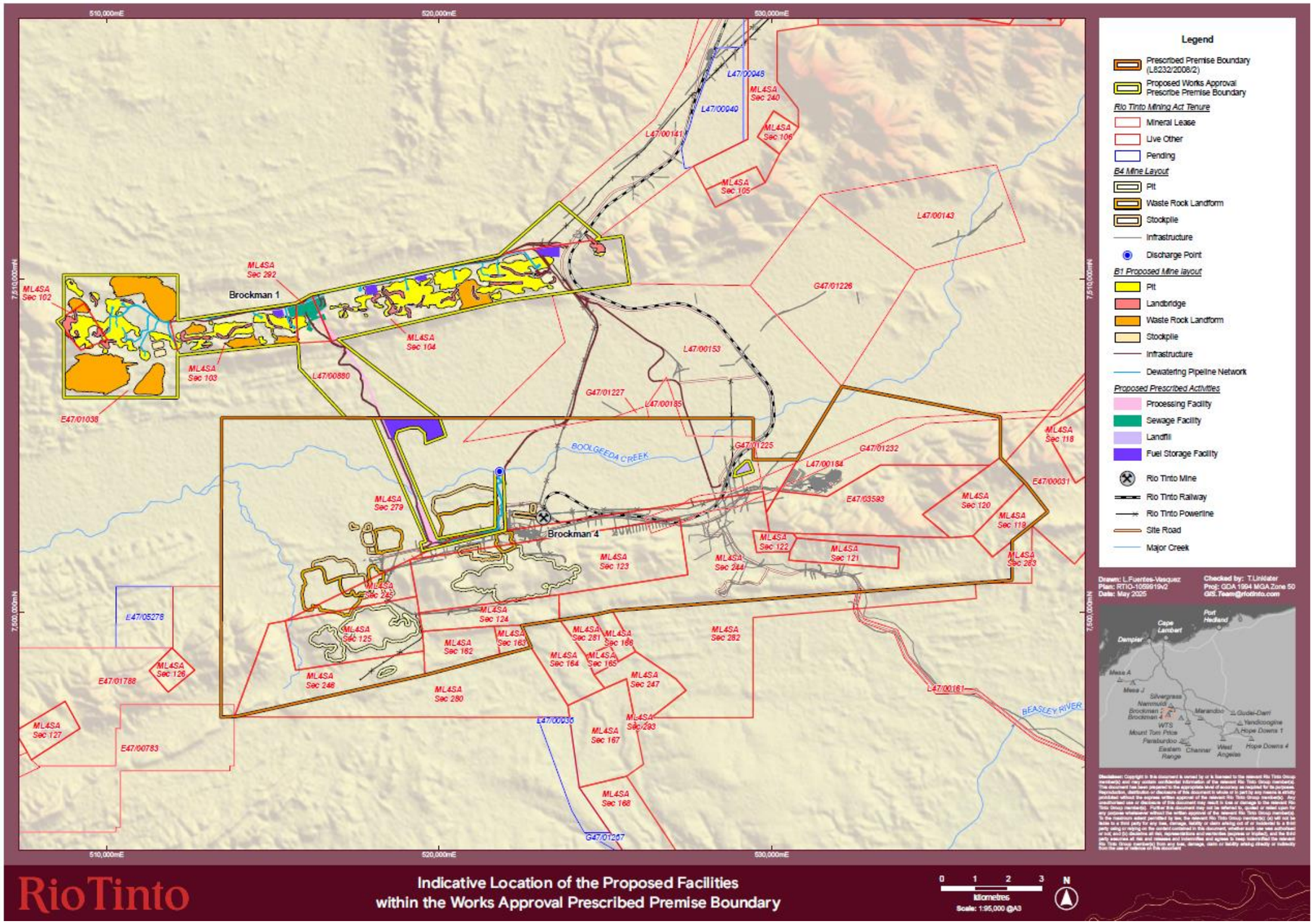

Figure 1: Map of the boundary of the prescribed premises

Infrastructure maps

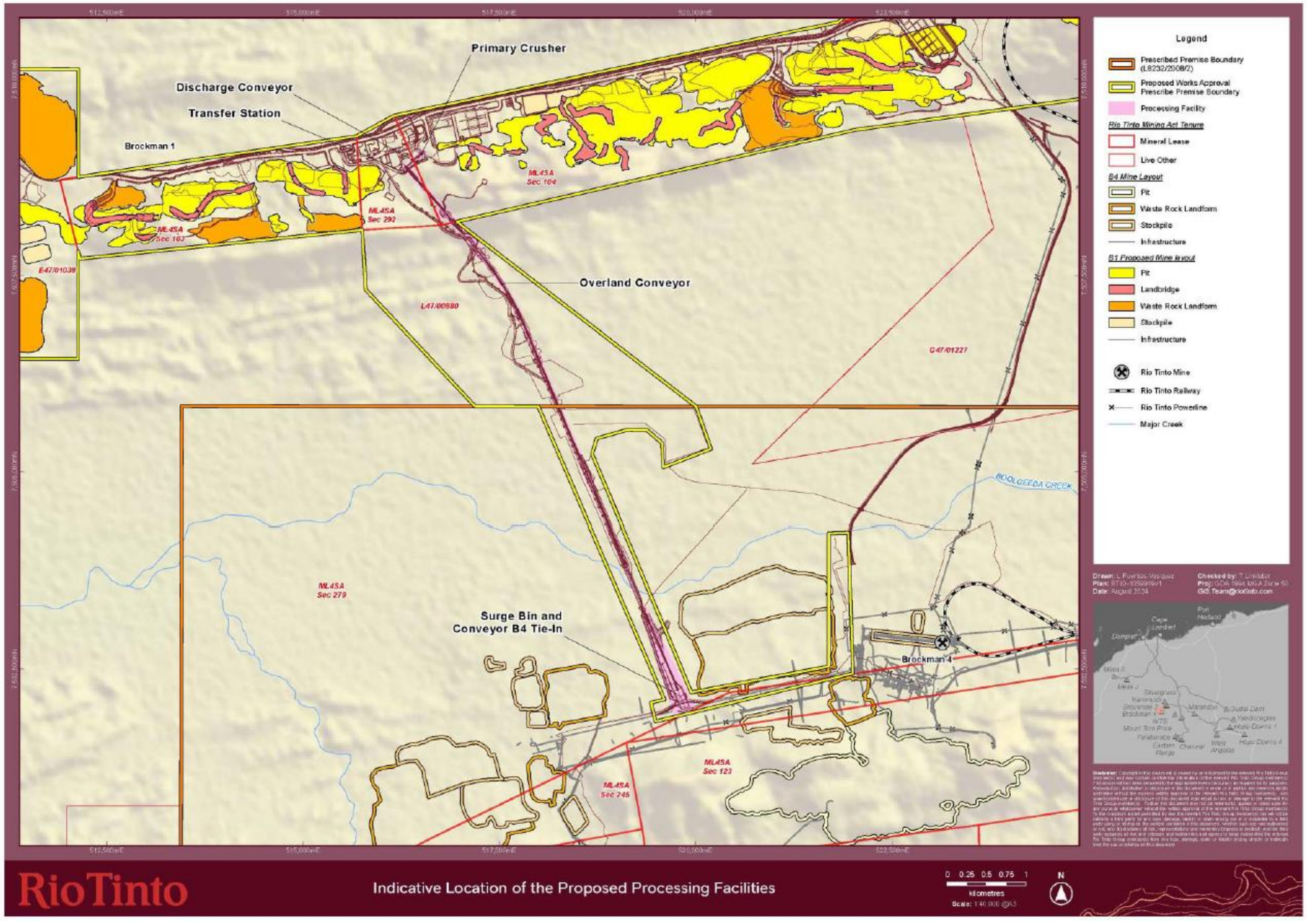

Figure 2: Indicative location of ore processing facilities

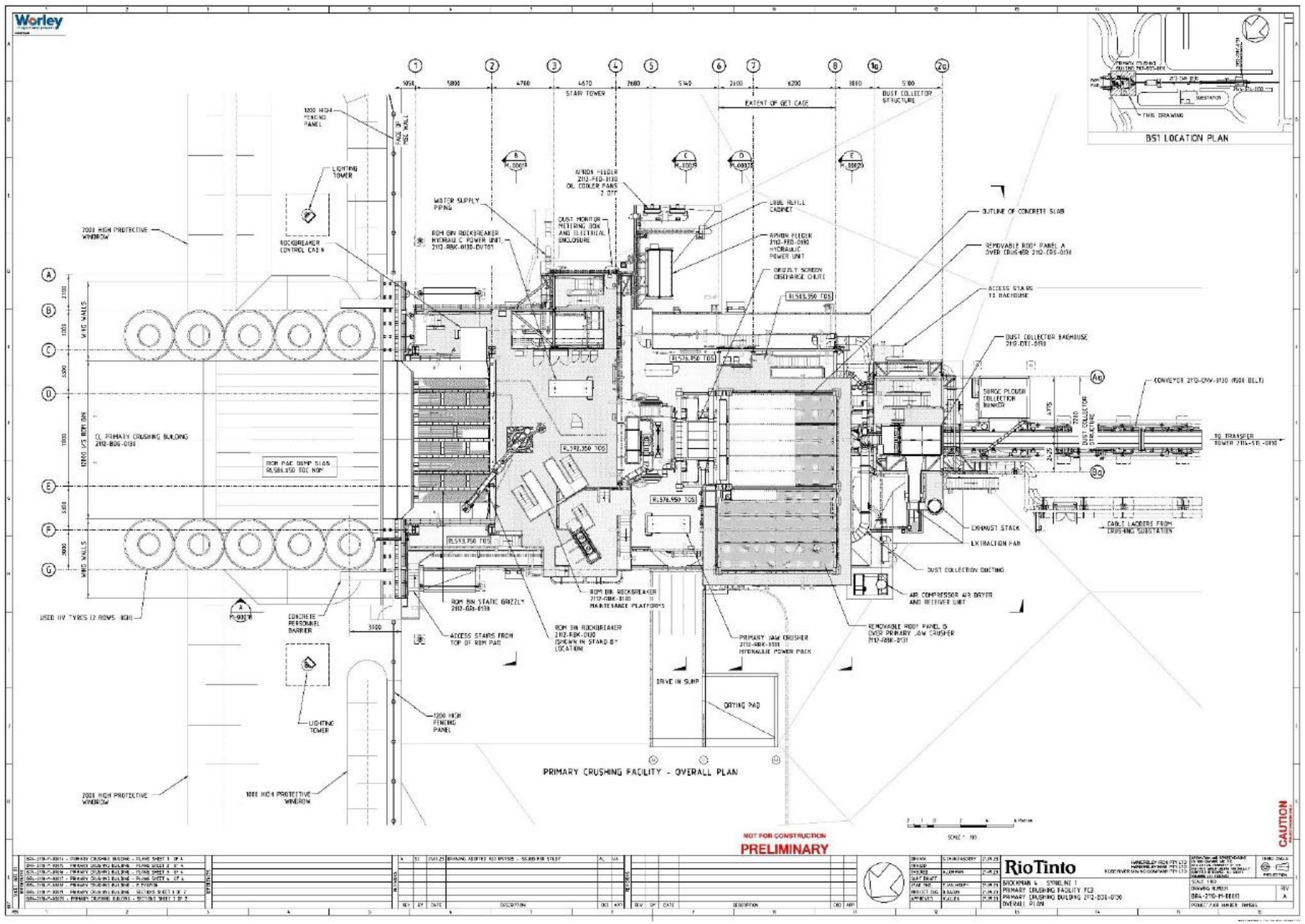

Figure 3: Indicative design of the primary crushing facility

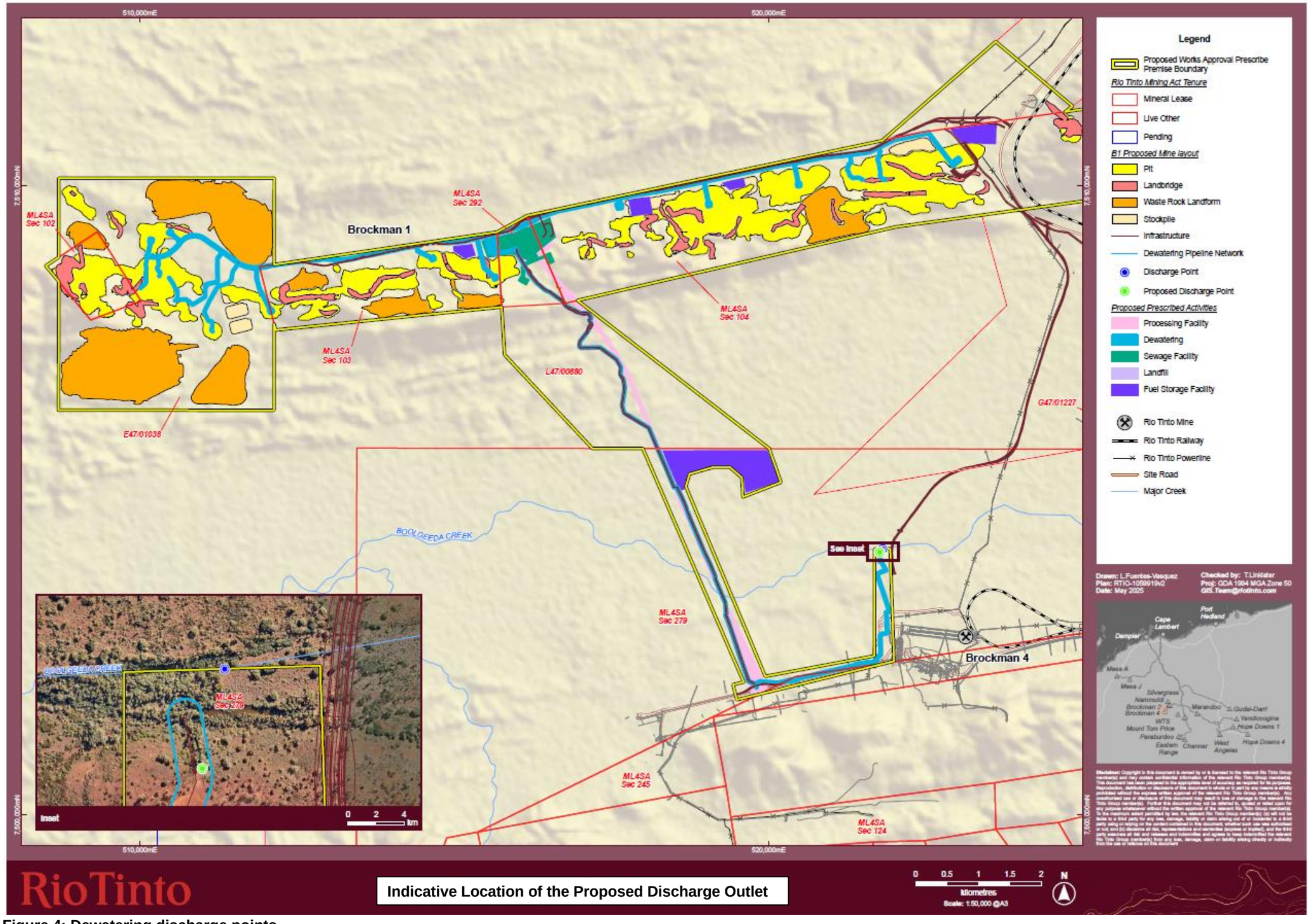

Figure 4: Dewatering discharge points

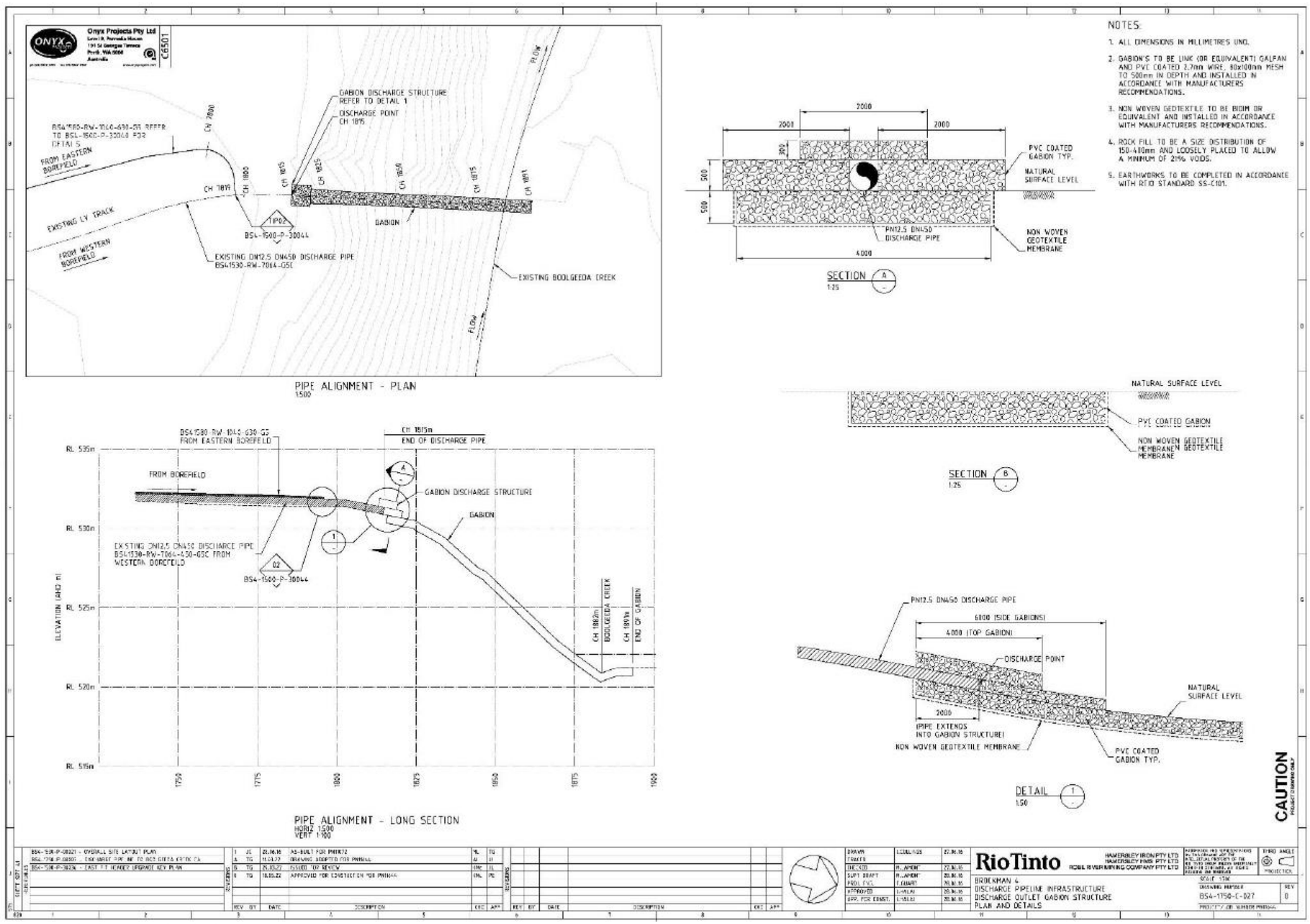

Figure 5: Discharge outlet design

Figure 6: Indicative location of the proposed Biomax units and sprayfield footprint

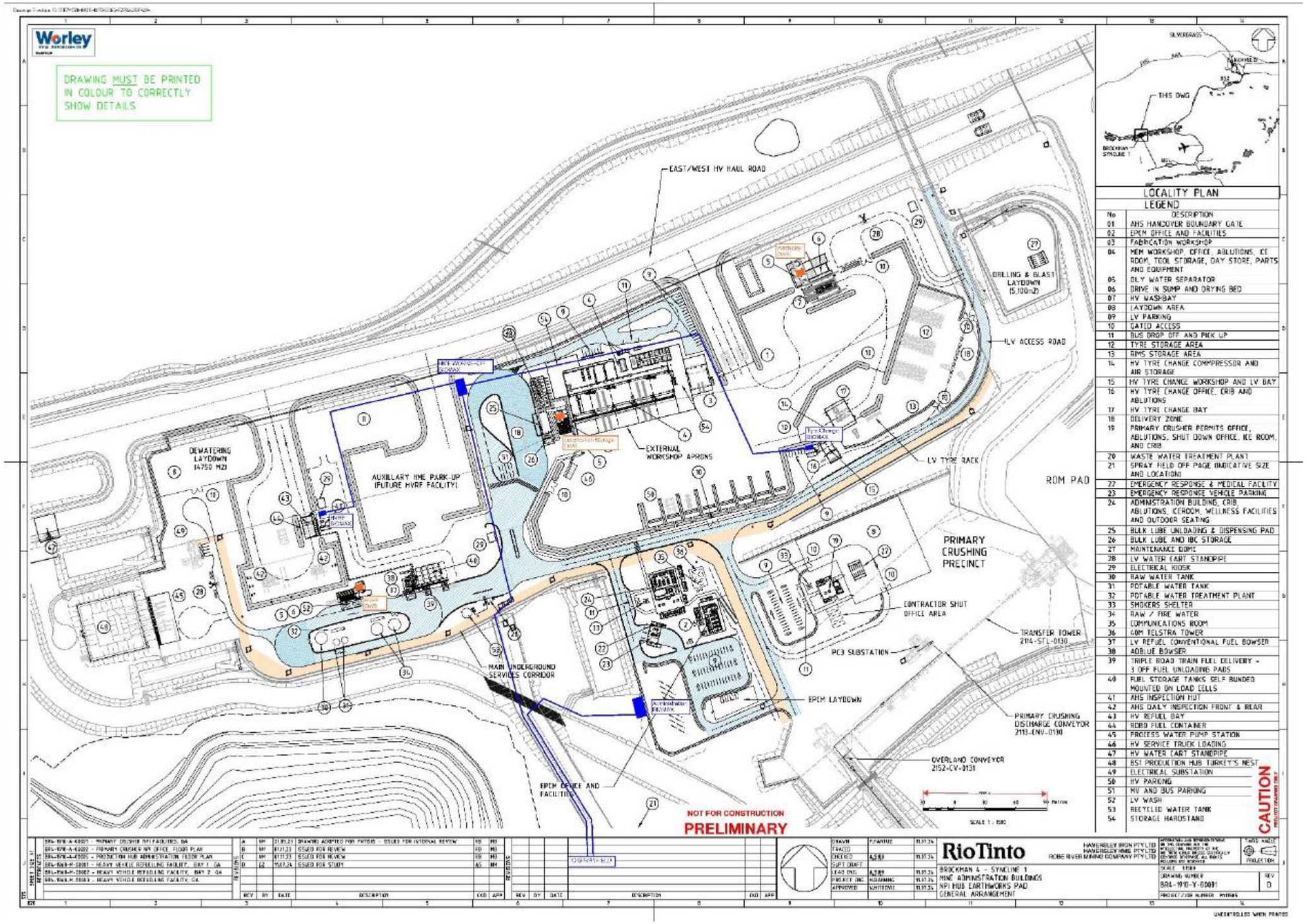

Figure 7: Indicative design and layout of the proposed Biomax units

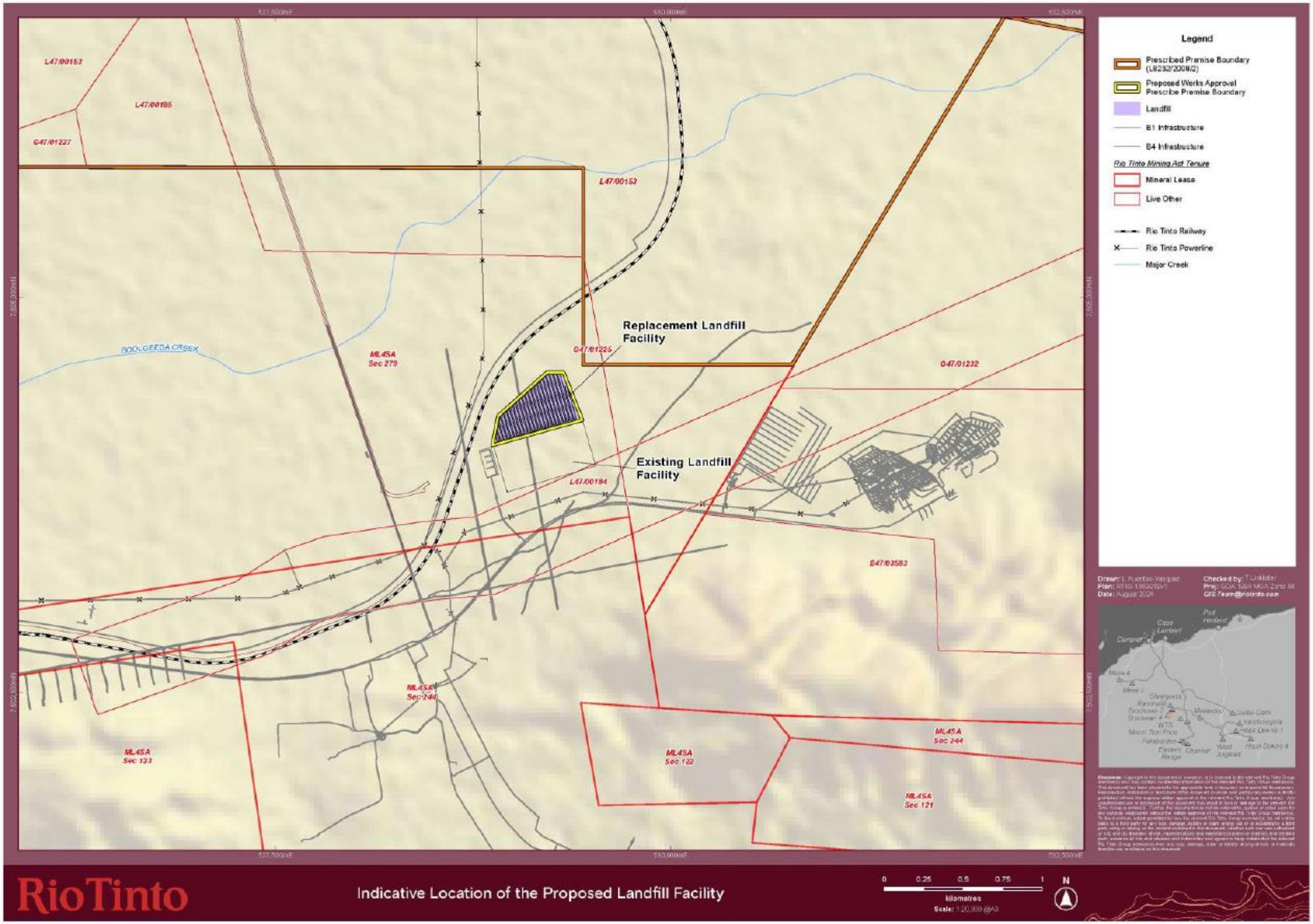

Figure 8: Landfill facility

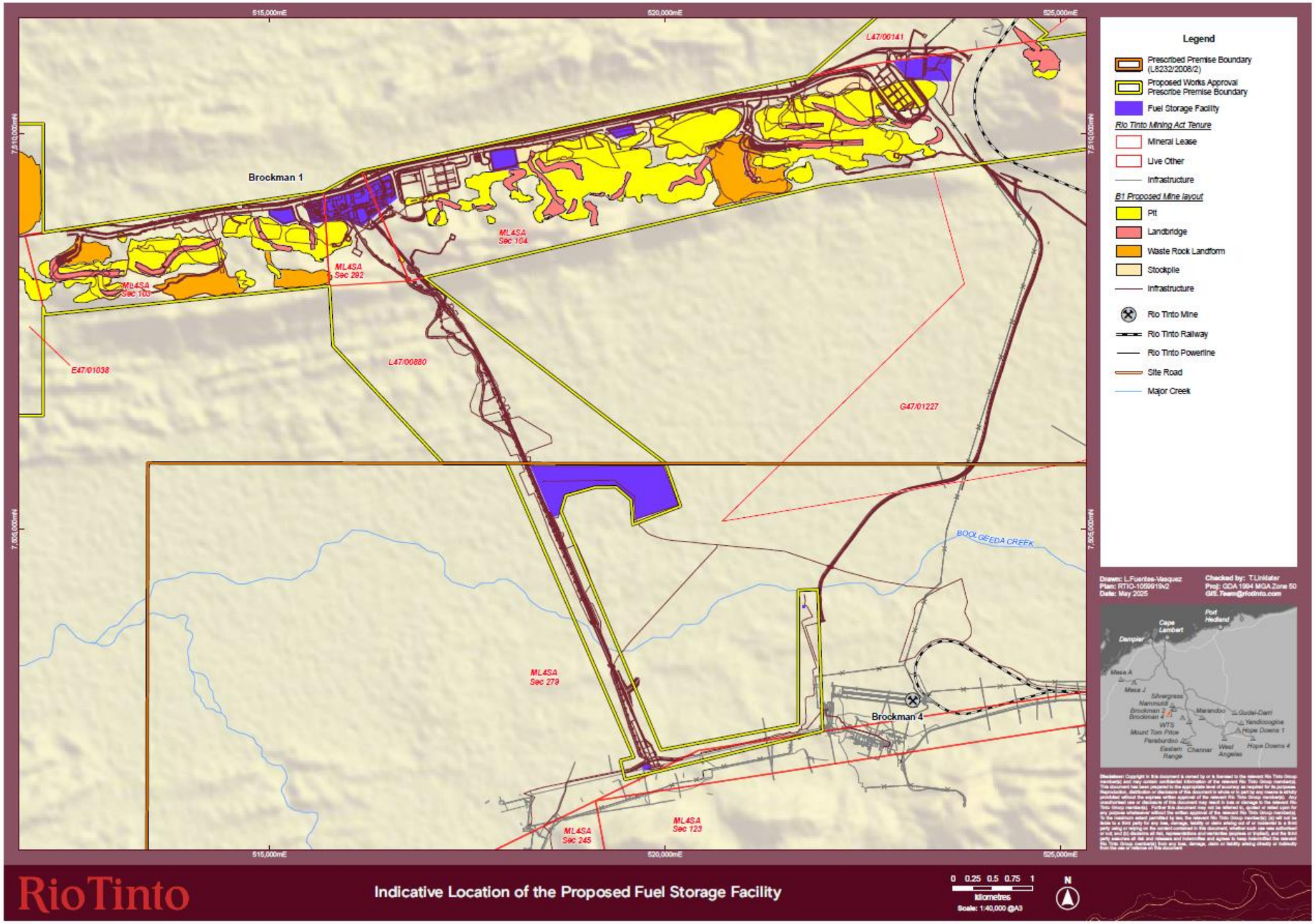

Figure 9: Indicative location of the proposed refuelling facilities

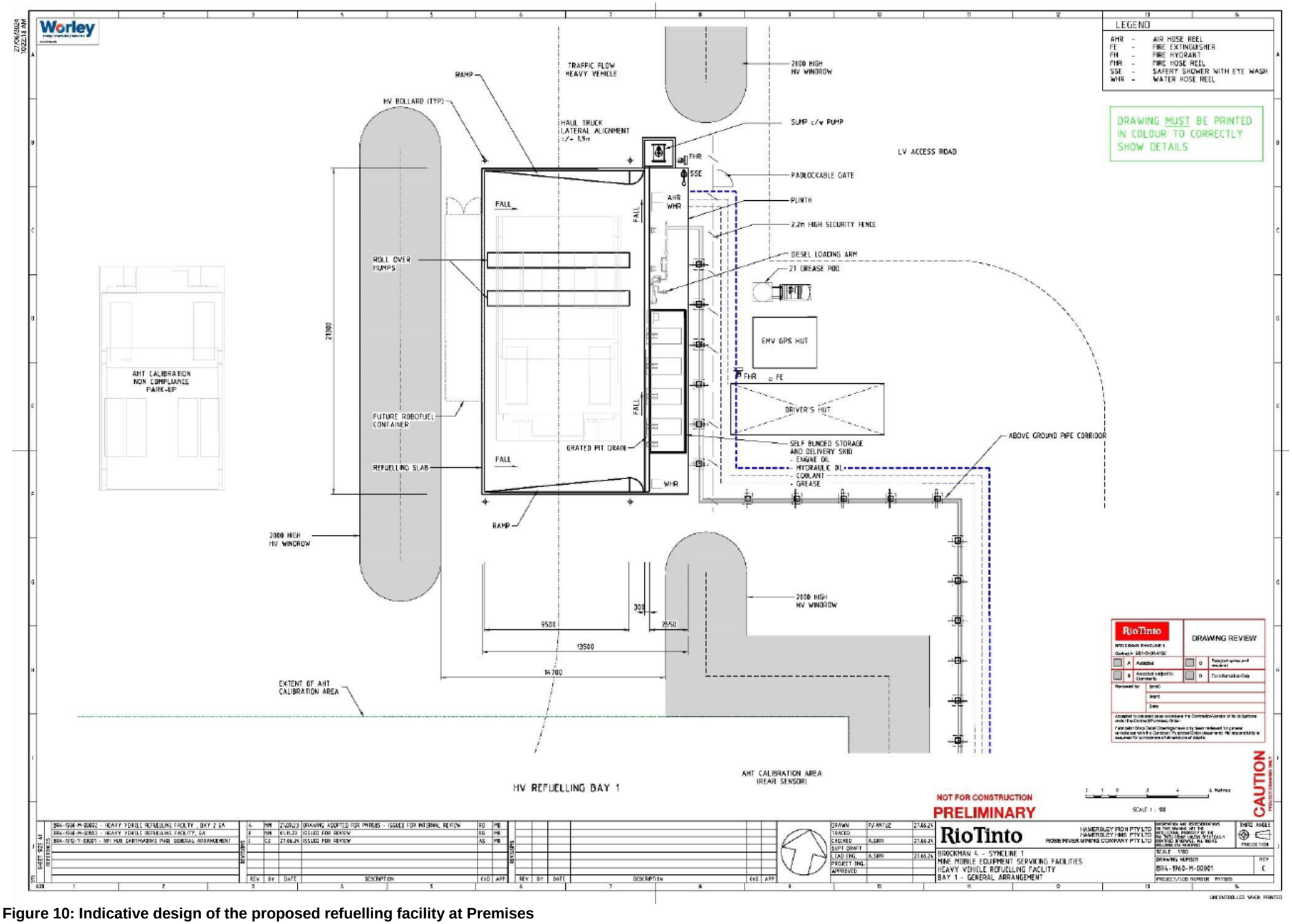

Figure 10: Indicative design of the proposed refuelling facility at Premises

Schedule 2: Premises boundary

The corners of the premises boundary are the coordinates listed in Table 10.

Table 10: Premises boundary coordinates (MGA 94 Zone 50)

	Easting	Northing
1.	508708	7510126.3
2.	510421.8	7510125.3
3.	512135.9	7510124.1
4.	512134.8	7508751.3
5.	515683.6	7509270.7
6.	516161.3	7509532.2
7.	521806.8	7510723.6
8.	523611.2	7512298.2
9.	524833	7511271.2
10.	524713.5	7511181
11.	525507	7511294.5
12.	525729.3	7509860.6
13.	523389.2	7509539.1
14.	522017.2	7509350.6
15.	516959.5	7508182
16.	520007.7	7505826.5
17.	520195.3	7505289.4
18.	519590.7	7505054.9
19.	519571.9	7505365.6
20.	519378.8	7505531.6
21.	519114.3	7505527.8
22.	518742.5	7505421.6
23.	518682.5	7505222.8
24.	519946.3	7502202.6
25.	521683.7	7502529.8
26.	521682.8	7504225.5
27.	521932.7	7504233.6
28.	521992	7502444
29.	519492.7	7501830.2
30.	519433.5	7502070.1
31.	519603.3	7502112
32.	517997.4	7505827.3
33.	517194	7505828.4
34.	515798.7	7507317.7
35.	515753.9	7508076.1
36.	512158.9	7507711.7
37.	512134.1	7507807.9
38.	512133.1	7506434.3
39.	510368.7	7506435.5
40.	508706	7506436.6
41.	508706.9	7508483.5
42.	508501.3	7508731.7
43.	508707.4	7508867.4