Government of Western Australia
Department of Water and Environmental Regulation

Works Approval

Works approval number	W3013/2025/1
Works approval holder	AC Minerals Pty Ltd
ACN	13 9823028
Registered business address	Level 1, 130 Royal Street EAST PERTH WA 6004
DWER file number	APP-0026581
Duration	08/09/2025 to 07/09/2030
Date of issue	08/09/2025
Premises details	Rebecca Gold Project Legal description - Mining tenement M28/400

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	3,000,000 tonnes per year
Category 6: Mine dewatering	900,000 tonnes per year
Category 12: Screening etc. of material	200,000 tonnes per year
Category 52: Power generation	24.2 MW natural gas and diesel aggregate
Category 57: Used tyre storage	500 tyres
Category 85: Sewage facility	75 m^3 per day
Category 89: putrescible landfill	3,650 tonnes per year – accommodation village 3,650 tonnes per year – site landfill

This works approval is granted to the works approval holder, subject to the attached conditions, on 8 September 2025, by:

Lauren Edmands

Digitally signed by Lauren Edmands
Date: 2025.09.08 15:21:49 +08'00'

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

Works approval history

Date	Reference number	Summary of changes
8/09/2025	W3013/2025/1	New works approval

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 (critical containment infrastructure – tailings storage facility)

1. The works approval holder must:

(a) construct all critical containment 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 / installation requirements

	Infrastructure	Design and construction / installation requirements	Infrastructure location
1.	Tailings storage facility starter embankment	• Height of starter embankment of 343.0 m RL (12 m above ground level) • Total footprint of 185 hectares (ha). • Stage 1 to allow 24 months of storage capacity. • Constructed to provide minimum 500 mm total freeboard (including an allowance for the 1% annual exceedance probability [AEP] 72 hour rain event) above the normal operating period; and • Layout as specified in Figure 2 of Schedule 1	Figure 2 in Schedule 1
2.	Cut-off trench	• Cut-off trench to be constructed directly below the upstream low permeability zone of the embankment and excavated for the entire length to limit potential seepage at any level.	Figure 5 in Schedule 1
3.	Underdrainage system	• Collector and finger drains installed throughout basin area. Water will drain by gravity to a collection sump located at upstream toe of embankments. • Water then pumped to the supernatant pond.	Figure 2 in Schedule 1
4.	Basin liner	• Compacted soil liner comprising in-situ soils, scarified and re-compacted throughout the basin area to form a 200 mm liner. • Low permeability material imported to form a 300 mm compacted soil liner where in-situ material are unsuitable. • Partial 1.5 mm smooth HDPE geomembrane liner above compacted soil liner in the TSF basin.	Figure 2 in Schedule 1

	Infrastructure	Design and construction / installation requirements	Infrastructure location
5.	Pipelines carrying tailing and decant return water	• HDPE pipelines installed in accordance with Australian Standards and contained within trenches. • Pipelines to be equipped with an automatic pressure drop cut-out. • Visual inspections every 12 hours to check the integrity of pipelines and bunding. • Weekly inspections of flow metres, leak detection telemetry and automatic shut-off systems	Figure 2 in Schedule 1

Infrastructure and equipment (non-critical containment infrastructure)

2. The works approval holder must construct and/or install the infrastructure listed in Table 2 in accordance with:

(a) The corresponding construction requirement/installation requirement;

(b) in accordance with the corresponding design and construction requirements; and

(c) at the corresponding infrastructure location

as set out in Table 2.

Table 2: Design and construction / installation requirements

	Infrastructure	Design and construction / installation requirements	Infrastructure location

1.	Gold processing plant and associated infrastructure	• Design capacity of 3 Mtpa.
		• Installation of:
		  ○ Primary crusher
		  ○ Milling circuit consisting of semi-autonomous grinding (SAG) mill, ball mill and pebble crusher.
		  ○ Leaching circuit to include a pre-leach thickener and a hybrid carbon in leach (CIL) circuit that consists of two dedicated leach tanks and six absorption tanks.
		  ○ Elution tanks.
		  ○ Carbon regeneration kiln system.
		  ○ Tailings thickener.
		• Spill kits to be available at various locations including diesel store, reagents store and plant maintenance areas to enable quick response to leaks and minor spills of hydrocarbons and chemicals.
		• Uncontaminated surface water runoff must be diverted away from operational and concentrate storage areas.
			Figure 1 and 2 in Schedule 1

	Infrastructure	Design and construction / installation requirements	Infrastructure location
		• Areas containing wet processing equipment must be concrete sealed and bunded to contain spill and runoff from these areas.	
2.	Process water pond	HDPE lined and designed to contain a one in one-hundred year 72 hours ARI rainfall event.	Figure 2 (plant site) in Schedule 1

3.	Dewatering infrastructure	Pipelines:
		• All pipelines to be HDPE and meet the following standards:
		  ○ AS/NZS2033:2008
		  ○ AS/NZS4129:2008
		  ○ AS/NZS4130:20069
		  ○ AS/NZS 4131:2010
		• Located within earthen bunded v-drains with scour pits constructed along the pipeline route at strategic locations and low point to ensure leaks/spills are contained.
		• Secondary containment to be sufficient to contain any spill for a period equal to time between inspections.
		• Flow meters fitted.
		• Isolation valves installed at appropriate intervals.
		Turkey's nest:
		• Minimum 300 mm freeboard;
		• Visual inspection of freeboard capacity daily when operational;
		• High water alarms to be installed;
		• Emergency spillways to protect from wall failure;
		• Lined with HDPE 1.5 mm to prevent seepage.
			Figure 8 in Schedule 1

4.	Crushing and screening infrastructure	• Nominal throughput of 200,000 tonnes per year
		• Mobile unit to include:
		  ○ Feed hopper. Jaw crusher and screening unit.
		  ○ Secondary impact crusher and vibrating screen.
		• Watercart to be available during all crushing and screening activities with stockpiles watered down before crushing/screening activities.
			Within Premises Boundary

5.	TSF embankment raises	• Downstream raise construction methods for all Stage 1 TSF raises.	N/A

	Infrastructure	Design and construction / installation requirements	Infrastructure location
		• Remaining raises to utilise downstream methods with the exception of the western embankment which will raised using upstream construction methods. • Downstream embankments to have minimum 10 m crest width and an upstream slope of 1V:2H, a downstream slope of 1V:2H for operation and 1V:3H with 5 m benches at every 10 m height interval at closure. • Upstream embankments will have minimum 10 m crest width and an upstream slow of 1V:2H, with a downstream slope of 1V:3H for operation. Each upstream raise to include a 5 m bench on the previous crest. • Embankment raises to heights as per condition 3.	
6.	Power generation infrastructure	• Power system to be installed with capacity of no more than 24.2 MW. • Generator units to be self-bunded. • Tanks constructed and managed in accordance with the 'Australian Standard for Storage and Handling of Flammable and Combustible Liquids' (AS 1940-2018).	Figure 2 in Schedule 1
7.	Used Tyre Storage	• No more than 500 used tyres to be stored on site at designated located prior to burial. • Used tyres stored in flat area minimum 50 m from other fire hazards and surrounded by 3 m trafficable firebreak. • Used tyres to be stored in a manner which minimizes standing water from within the tyre walls. • Used tyres buried in waste rock dump no less than 5 m from the final outer surface. • Up to 20 tyres placed in a designated waste rock dump (WRD) burial location. A 10 m horizontal and 5 m vertical buffer zone to be between used tyre burial locations.	Figure 7 in Schedule 1
8.	Waste water treatment plant infrastructure	Either: • One unit with system capacity of 75 KL/day Or: • Two units, 1 x 20 kL/day and 1 x 55 kL/day.	Figure 9 in Schedule 1
9.		Installed system(s) to have: • Automated control and visual and audible alarms for upset conditions.	

<table>
<tr><th></th><th>Infrastructure</th><th>Design and construction / installation requirements</th><th>Infrastructure location</th></tr>
<tr><td></td><td></td><td>

WWTP and tanks installed on concrete hardstand.
Installed with systems to monitor tank volume levels.
Stormwater must be prevented from entering the sewage treatment system and storage infrastructure.
Be able to treat sewage to the following output emissions standards:

<table>
<tr><td>BOD</td><td><20 mg/L</td></tr>
<tr><td>TSS</td><td><30 mg/L</td></tr>
<tr><td>Total Nitrogen</td><td>20 mg/L</td></tr>
<tr><td>Total Phosphorus</td><td>10 mg/L</td></tr>
<tr><td>E. Coli</td><td><1,000 cfu/100 mL</td></tr>
<tr><td>Residual chlorine</td><td>0.2 – 2.0 mg/L</td></tr>
</table>
</td><td></td></tr>
<tr><td>10.</td><td>Treated wastewater irrigation area</td><td>

2 x 1 ha minimum irrigation paddocks.
Volumetric flow meters must be installed to monitor sewage inflow volumes to the WWTP and effluent volumes discharged to the irrigation spray field.
Pipeline to irrigation area constructed to manufacturer’s specifications.
Fencing with safety signs.
Designed such that run-off, spray drift or other discharge will not occur beyond the designated irrigation area.

</td><td>Figure 9 in Schedule 1</td></tr>
<tr><td>11.</td><td>Accommodation village landfill</td><td>

Located within a 1-hectare area.
Each trench to consist of approximate area of 30 m long x 5 m wide and 3 m deep.
A stockproof fence to be installed around the landfill with a firebreak of minimum 3 m in width.
Earth bunds to be constructed to prevent stormwater entering open trenches.
A drain channel to be constructed around the upslope edge of landfill to direct uncontaminated stormwater around the landfill.

</td><td>Figure 9 in Schedule 1</td></tr>
<tr><td>12.</td><td>Site landfill</td><td>

Located within a 2-hectare area.
Each trench to consist of approximately 50 m long x 5 m wide x 3 m deep.

</td><td>Figure 7 in Schedule 1</td></tr>
</table>

	Infrastructure	Design and construction / installation requirements	Infrastructure location
		• A stockproof fence to be installed around the landfill with a firebreak of minimum 3 m in width. • A drain channel to be constructed around the upslope edge of landfill to direct uncontaminated stormwater around the landfill.	

3. The works approval holder is authorised to construct embankment raises for the TSF to the construction height as specified in Table 3.

Table 3: Authorised TSF embankment raises

Stages	Tailings storage (cumulative) (Mt))	Construction height (mRL)
1[1]	6	341.7
2	12	345.8
3	18	349.8

1: Stage 1 embankment designed for 24 months storage capacity

Construction of groundwater monitoring wells

4. The works approval holder must design, construct and install groundwater monitoring wells in accordance with the requirements specified in Table 4.

Table 4: Infrastructure requirements – groundwater monitoring wells

Infrastructure	Design, construction, and installation requirements	Monitoring well location(s)	Timeframe
Groundwater monitoring well(s): TSF – MB 01 TSF – MB – 02 TSF – MB – 03 TSF – Mb - 04 BH-05	<u>Well design and construction:</u> Designed and constructed in accordance with *ASTM D5092/D5092M-16: Standard practice for design and installation of groundwater monitoring bores*. Well screens must target the part, or parts, of the aquifer most likely to be affected by contamination[1]. Where temporary/seasonal perched features are present, wells must be nested, and the perched features individually screened.	As depicted in Schedule 1, Figure 6: Map of groundwater monitoring well locations	Must be constructed, developed (purged), and determined to be operational by no later than 3 months. prior to the commencement of time limited operation activities under condition 15
	<u>Logging of borehole:</u> Soil samples must be collected and logged during the installation of the monitoring wells.		

Infrastructure	Design, construction, and installation requirements	Monitoring well location(s)	Timeframe
	A record of the geology encountered during drilling must be described and classified in accordance with the Australian Standard Geotechnical Site Investigations AS1726. Any observations of staining / odours or other indications of contamination must be included in the bore log.		
	<u>Well construction log:</u> Well construction details must be documented within a well construction log to demonstrate compliance with *ASTM D5092/D5092M-16*. The construction logs shall include elevations of the top of casing position to be used as the reference point for water-level measurements, and the elevations of the ground surface protective installations.		
	<u>Well development:</u> All installed monitoring wells must be developed after drilling to remove fine sand, silt, clay and any drilling mud residues from around the well screen to ensure the hydraulic functioning of the well. A detailed record should be kept of well development activities and included in the well construction log.		
	<u>Installation survey:</u> the vertical (top of casing) and horizontal position of each monitoring well must be surveyed and subsequently mapped by a suitably qualified surveyor.		
	<u>Well network map:</u> a well location map (using aerial image overlay) must be prepared and include the location of all monitoring wells in the monitoring network and their respective identification numbers.		

Note 1: refer to Section 8 of Schedule B2 of the *Assessment of Site Contamination NEPM* for guidance on well screen depth and length.

Compliance reporting

5. The works approval holder must within 30 calendar days of an item of infrastructure or equipment required by condition 2 being constructed and/or installed:

(a) undertake an audit of their compliance with the requirements of condition 2; and

(b) prepare and submit to the CEO an Environmental Compliance Report on that compliance.

6. The Environmental Compliance Report required by condition 5, must include as a minimum the following:

(a) certification by a suitably qualified geotechnical or civil engineer that the items of infrastructure or component(s) thereof, as specified in condition 2 have been constructed in accordance with the relevant requirements specified in condition 2.

(b) as constructed plans and a detailed site plan for each item of infrastructure or component of infrastructure specified in condition 2; and

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

7. The works approval holder must within 30 calendar days of the Critical Containment Infrastructure identified 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 a Critical Containment Infrastructure Report on that compliance.

8. The Critical Containment Infrastructure Report required by condition 7 must include as a minimum the following:

(a) certification by a suitably qualified geotechnical engineer that each item of critical containment infrastructure or component thereof, as specified in condition 1, has been built and installed in accordance with the requirements specified in condition 1.

(b) as constructed plans and a detailed site plan showing the location and dimensions for each item of critical containment infrastructure or component thereof, as specified in condition 1.

(c) photographic evidence of the installation of the infrastructure.

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

Compliance reporting (monitoring wells)

9. The works approval holder must, within 60 calendar days of the monitoring bores being constructed, submit to the CEO a bore construction report evidencing compliance with the requirements of condition 4.

Environmental commissioning phase

Environmental commissioning requirements and emission limits

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

11. Any environmental commissioning activities undertaken for an item of infrastructure specified in Table 5 may only be carried out:

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

(b) for the corresponding authorised commissioning duration.

Table 5: Environmental commissioning requirements

Infrastructure	Commissioning requirements	Authorised commissioning duration
Gold processing plant and associated pipelines	• Bunds and sumps to be leak tested; • Process control alarms for loss of containment to be tested; • All pipeline flow meters to be tested; and • All pressure meters to be calibrated.	For a period not exceeding 90 calendar days.
Wastewater treatment plant	• Volumetric flow meters are maintained on each WWTP outlet to the irrigation spray field; • WWTP maintained and operated in accordance with the requirements as specified in condition 2.	For a period not exceeding 180 calendar days
Irrigation spray field	• Maintained and operated in accordance with the requirements as specified in condition 2. • Irrigation is managed to prevent ponding and pooling of effluent on the ground surface of the irrigation spray field.	

12. During environmental commissioning, the works approval holder must ensure that the emission(s) specified in Table 6, are discharged only from the corresponding discharge point(s) and only at the corresponding discharge point location(s).

Table 6: Authorised discharge points during commissioning

Emission	Discharge point	Discharge point location
Treated effluent	Irrigation spray field	As shown in Schedule 1, Figure 9.

Monitoring during environmental commissioning

13. The works approval holder must monitor emissions during environmental commissioning in accordance with Table 7.

Table 7: Emissions and discharge monitoring during environmental commissioning

Discharge point / Monitoring location	Parameter	Target	Frequency	Averaging Period	Method
Irrigation spray field	Volume discharged to irrigation spray field [1]	-	Continuous	-	Flow metering device
	Biological Oxygen Demand (BOD)	<20 mg/L	Monthly	Spot sample	AS/NZS 5667.1 AS/NZS 5667.10
	Total suspended solids (TSS)	<30 mg/L			
	Total nitrogen (TN)	<20 mg/L			
	Total Phosphorous (TP)	<10 mg/L			
	Chlorine Residual [1]	0.2 – 2.0 mg/L			
	E. Coli [1]	<1,000 cfu/100 mL			

Note 1: In-field non NATA accredited permitted

14. The works approval holder must record the results of all monitoring activity required by condition 13.

15. The works approval holder must submit to the CEO an Environmental Commissioning Report within 30 calendar days of the completion date of environmental commissioning for each item of infrastructure specified in Table 5.

16. The works approval holder must ensure the Environmental Commissioning Report required by condition 15 of this works approval includes the following:

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

(b) the point-source emissions monitoring and results recorded in accordance with condition 13.

(c) a summary of the environmental performance of each item of infrastructure or equipment as constructed or installed (as applicable).

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

(e) 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

17. The works approval holder may only commence time limited operations for an item of infrastructure identified in condition 2:

(a) where the item of infrastructure is not authorised to undertake environmental commissioning, the Environmental Compliance Report as required by condition 5 has been submitted by the works approval holder for that item of infrastructure.

(b) where the item of infrastructure is authorised to undertake environmental commissioning under condition 11, the Environmental Commissioning Report for that item of infrastructure as required by condition 15 has been submitted by the works approval holder; and

(c) for a period not exceeding 180 calendar days from the day the works approval holder meets the requirements of condition 11 for those items of infrastructure; or

(d) until such time as a licence for that item 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 17(c).

18. The works approval holder may only commence time limited operations for an item of critical containment infrastructure identified in condition 1 where the CEO has notified the works approval holder that the Critical Containment Infrastructure Report for that item of infrastructure as required by condition 7 meets the requirements of that condition.

Time limited operations requirements and emission limits

19. During time limited operations, the works approval holder must ensure that the premises infrastructure and equipment listed in Table 8 and located at the corresponding infrastructure location is maintained and operated in accordance with the corresponding operational requirement set out in Table 8.

Table 8: Infrastructure and equipment requirements during time limited operations

	Site infrastructure and equipment	Operational requirement	Infrastructure location
1.	Ore processing activities including processing plant and crushing and screening	• Operate and maintain dust control to manage dust emissions for processing and stockpiling. • Maintain stormwater diversion and flood protection around operational areas; Provision of spill kits around hydrocarbon and chemical storage areas and in other appropriate locations. • Minimum freeboard of 500 mm to be maintained at process water pond and inspected daily for overflow and HDPE liner integrity.	Figure 2, Schedule 1

	Site infrastructure and equipment	Operational requirement	Infrastructure location
		• Processing of up to 3,000,000 tpa	
2.	Carbon regeneration kiln	Maintain kiln of-gas cleaning circuit (wet scrubber, carbon filter bed)	Figure 2, Schedule 1
3.	Tailings storage facility	• A minimum of 500 mm total freeboard (including and allowance for a 1% AEP 72-hour rain event) above the normal operating pond must be maintained within each TSF cell at all times. • Tailings discharge points, return water pump, beach, decant pond level and tailings level visually inspected every 12 hours to validate operation is in accordance with design and operational expectations and check for any evidence of embankment instability.	Figure 2, Schedule 1
4.	Tailings deposition	• Discharged sub-aerially and cyclically into the TSF in thin discrete layers, not exceeding 300 mm thickness to allow optimum density and strength gain by subjecting each layer to a drying cycle. • Deposition to take place via multiple spigots. • Deposition carried out such that the supernatant pond is maintained within and around the rock ring decant. • Daily visual inspections	Figure 2, Schedule 1
5.	Tailings delivery and decant return water pipelines	• Maintained as per the design and construction/installation requirements in condition 1. • Visual inspections every 12 hours to check the integrity of pipelines and bunding. • Weekly inspections of flow metres, leak detection telemetry and automatic shut-off systems.	Figure 2, Schedule 1
6.	Decant system and pond	• Decant pond must be maintained away from the perimeter embankment at all times. • Decant water must be reclaimed and reused in the processing plant.	Figure 2, Schedule 1
7.	Dewatering	• Twice daily inspection of pipelines. • Flow meter to be maintained on pipeline discharge point(s) to measure cumulative volumes (tonnes or m^3) of dewater discharged. • Mine dewatering only discharged to pits shown in Figure 8.	Figure 8, Schedule 1

	Site infrastructure and equipment	Operational requirement	Infrastructure location
		• Water used for dust suppression must be applied in a manner that does not cause damage to surrounding vegetation (such as from over spraying or runoff).	
8.	Tyre storage	• No more than 500 used tyres to be stored on site at designated located prior to burial. • Used tyres stored in flat area minimum 50 m from other fire hazards and surrounded by 3 m trafficable firebreak. • Used tyres to be stored in a manner which minimises standing water from within the tyre walls. • Used tyres buried in waste rock dump no less than 5 m from the final outer surface. • Up to 20 tyres placed in a designated waste rock dump (WRD) burial location. A 10 m horizontal and 5 m vertical buffer zone to be between used tyre burial locations.	Figure 7, Schedule 1
9.	Power station	• Generator units to be self-bunded. • Maintained in accordance with manufacturer specifications.	Figure 2, Schedule 1
10.	Wastewater treatment plant and irrigation field	• Maximum throughput of 75 m^3/day • Volumetric flow meter maintained on the outlet to the irrigation area. • Daily inspections of fencing and pipelines • Irrigation is managed to prevent ponding and pooling of effluent on the ground surface of the irrigation spray field.	Figure 9, Schedule 1
11.	Accommodation village landfill	• Not more than 3,650 tonnes per annum of putrescible waste to be disposed of. • Volumes and types of waste to be monitored (tonnes) and recorded. • Waste disposed within defined trenches. • Waste to be covered with clean fill monthly. • Uncontaminated stormwater to be diverted away from active cells.	Figure 9, Schedule 1
12.	Site landfill	• Not more than 3,650 tonnes per annum of putrescible waste to be disposed of. • Volumes and types of waste to be monitored (tonnes) and recorded. • Waste disposed within defined trenches. • Waste to be covered with clean fill monthly.	Figure 7, Schedule 1

	Site infrastructure and equipment	Operational requirement	Infrastructure location
		• Uncontaminated stormwater to be diverted away from active cells.	

Monitoring during time limited operations

20. The works approval holder must review and assess the water balance for the TSF each monthly period, and (as a minimum) record the following information:

(a) site rainfall.

(b) evaporation rate.

(c) decant water recovery volumes.

(d) volume of tailings deposited; and

(e) estimate of seepage losses.

21. The works approval holder must monitor emissions during time limited operations in accordance with Table 9.

Table 9: Emissions and discharge monitoring during time limited operations

Monitoring location	Parameter	Unit	Frequency	Method	
				Sampling	Analysis
Monitoring bores TSF – MB 01 TSF – MB – 02 TSF – MB – 03 TSF – Mb - 04 BH-05	Standing water level	mgbl	Monthly	Spot sample	AS/NZS 5667.1 and AS/NZS 5667.11
	pH	pH units			
	Electrical conductivity	µcm/S			
	Total dissolved solids	mg/L			
	Weak acid dissociable cyanide (CN_{WAD})	mg/L	A single sampling event undertaken between 30 and 60 calendar days following commencement of time limited operations (e.g. operation of processing plant and tailings being deposited into TSF). AND A single sampling event undertaken between 120 and 180 calendar days following commencement of		
	Aluminium (Al), Antimony (Sb), Arsenic (As III), Arsenic (As V), Beryllium (Be), Bicarbonate alkalinity (HCO_3), Bismuth (Bi), Boron (B), Cadmium (Cd), Calcium (Ca), Chromium (Cr III), Chromium (Cr VI), Chloride (Cl), Cobalt (Co), Copper (Cu), Iron (Fe), Lead (Pb), Magnesium (Mn), Mercury (Hg), Molybdenum (Mo), Nickel (Ni), Nitrate (NO_2), Potassium (K), Selenium (Se), Silver				

	(Ag), Sodium (Na), Sulphate (SO_4^{2-}), Thallium (Tl), Tin (Sn), Total Sulphur, Uranium (U), Vanadium (V), Zinc (Zn).		time limited operations (e.g. operation of processing plant and tailings being deposited into TSF).		
Irrigation spray field	Volume discharged to irrigation spray field [1]	kL	Continuous	Flow metering device	N/A
	BOD	mg/L	Monthly	Spot sample	AS/NZS 5667.1 AS/NZS 5667.10
	TSS	mg/L			
	TN	mg/L			
	TP	mg/L			
	Residual chlorine [1]	mg/L			
	E. Coli [1]	cfu/100 mL			
	pH [1]	pH units			
Dewatering discharge to mine pit lakes as shown in Schedule 1, Figure 8	Volumetric flow rate	kL	Continuous	Flow metering device	N/A
Mine pit lakes as shown in Schedule 1, Figure 8	Standing water level	metres below pit crest level	Monthly	Spot sample	AS/NZS 5667.1
	TDS[1]	mg/L			
	pH[1]	pH units			

Note 1: In-field non-NATA accredited permitted

22. The works approval holder must record the results of all monitoring activity required by condition 21.

Compliance reporting

23. 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.

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

(a) a summary of the time limited operations, including timeframes and amount of tailings and sewage waste processed.

(b) a summary of emission and discharge monitoring results obtained during time limited operations under condition 21.

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

(i) product produced.

(ii) tailings discharged.

(iii) tailings density (solid vs water content).

(iv) TSF and all site dam and pond water balances.

(v) quality and quantity of treated effluent discharged to the irrigation spray field.

(vi) volumes of tyres stored; and

(vii) volumes of waste disposed of in the landfills.

(d) a review of performance and compliance against the conditions of the works approval and the Environmental Commissioning Report; and

(e) 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)

25. 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.

26. 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 conditions 1 and 2.

(b) any maintenance of infrastructure that is performed in the course of complying with conditions 1 and 2.

(c) monitoring programmes undertaken in accordance with conditions 20 and 21; and

(d) complaints received under condition 25.

27. The books specified under condition 26 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 10 have the meanings defined.

Table 10: Definitions

Term	Definition
AS/NZS 5667.1	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.*
AS1940-2018	Australian Standard for Storage and Handling of Flammable and Combustible Liquids
AS/NA5667.1	means the Australian Standard AS/NZS 5667.1 *Water Quality – Sampling – Guidance of the Design of sampling programs, sampling techniques and the preservation and handling of samples*.
AS/NZS 5667.10	Means the Australian Standard AS/NZS 5667.10 *Water Quality – Sampling – Guidance on sampling of waste waters*
AS/NZ5667.11	means the Australian Standard AS/NZS 5667.11 *Water Quality – Sampling – Guidance on sampling of groundwaters*
AST D5092/D5092M-16	International Standard practice for design and installation of groundwater monitoring bores
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
critical containment infrastructure	means the items of infrastructure listed in condition 1.
Critical Containment Infrastructure Report	means a report to satisfy the CEO that works of critical containment infrastructure have been constructed in accordance with the works approval.
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.

Term	Definition
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 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 works approval.
EP Act	*Environmental Protection Act 1986* (WA).
EP Regulations	*Environmental Protection Regulations 1987* (WA).
monthly period	means a one-month period commencing from first day of a month until the last day of the same month.
NATA	Means in relation to the analysis of a sample that the laboratory is NATA accredited for the specified analysis at the times of the analysis.
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.
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.
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 the map below (Figure 1).

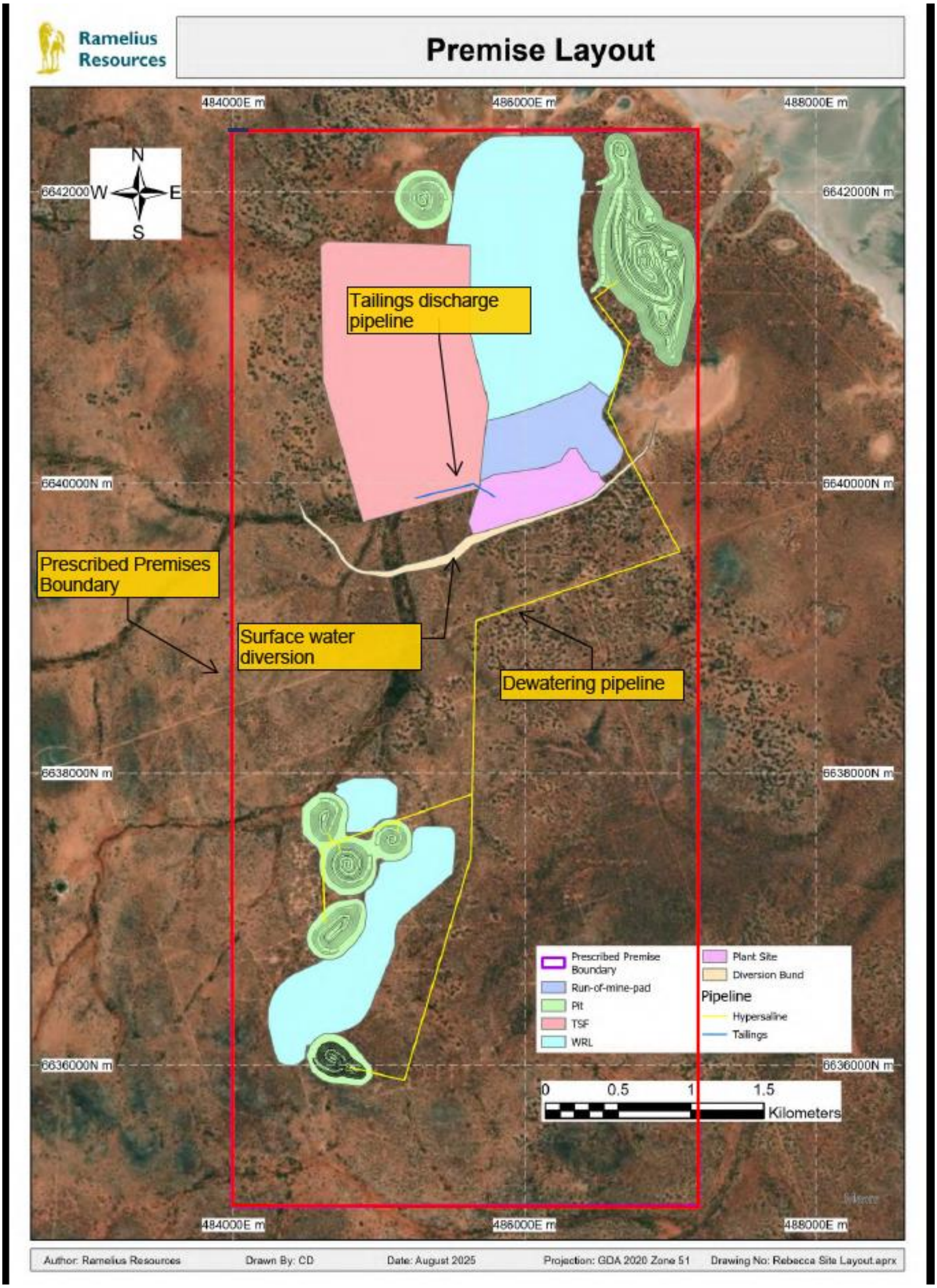


Figure 1: Map of the boundary of the prescribed premises

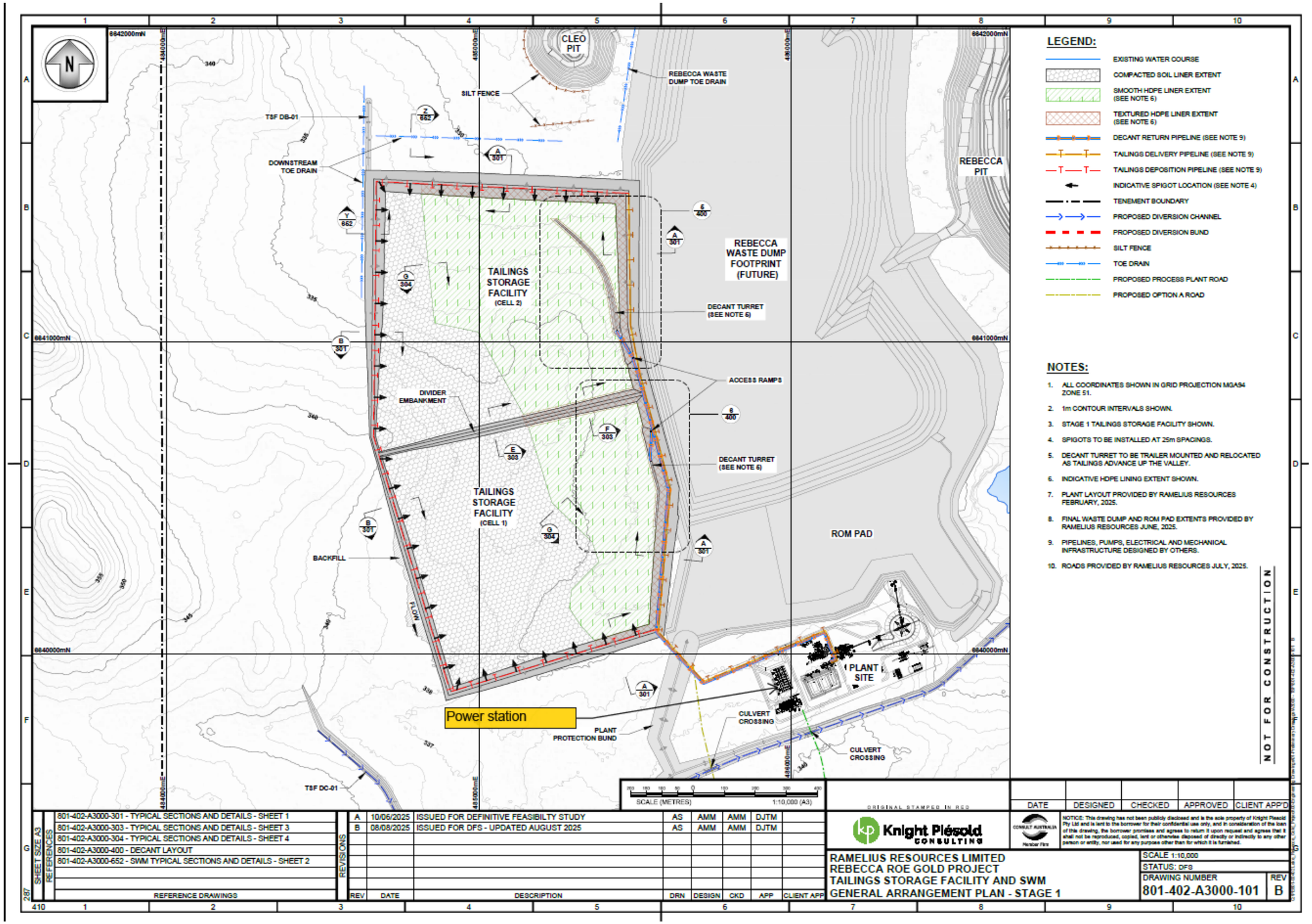
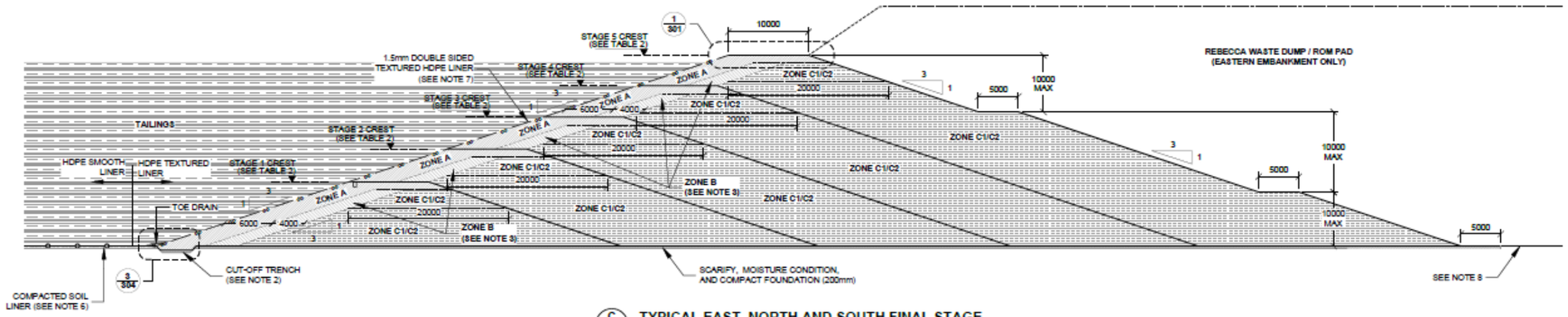


Figure 2: TSF site layout

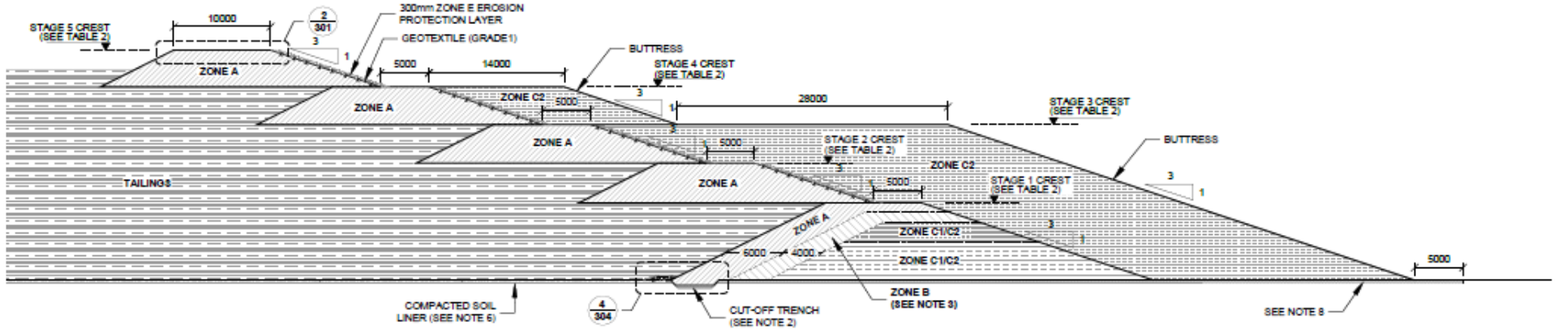
TABLE No.2: TAILINGS STORAGE FACILITY STAGED SUMMARY				
STAGE	TAILINGS STORAGE CAPACITY (CUMULATIVE) [Mt]	EMBANKMENT CREST LEVEL [mRL]	MAXIMUM TSF EMBANKMENT HEIGHT [m]	TSF DEPOSITION ELEVATION [mRL]
1	6	341.7	11.7	341.4
2	12	345.8	14.8	345.5
3	18	349.8	17.8	349.5
4	24	353.7	20.7	353.4
5	30	357.5	23.5	357.2

NOTES:

1. FOR MATERIAL SPECIFICATION REFER TABLE 1 ON DRAWING 801-402-A3000-005.
2. CUT-OFF TRENCH TO BE EXCAVATED 0.5m INTO SUITABLE COMPETENT MATERIAL AS DETERMINED BY THE ENGINEER.
3. REQUIREMENT FOR TRANSITION MATERIAL BETWEEN ZONE A AND ZONE C1/C2 TO BE DETERMINED BY ENGINEER DURING CONSTRUCTION.
4. EMBANKMENT FOUNDATION PREPARATION SHALL EXTEND 5000mm BEYOND THE TOE OF THE EMBANKMENT.
5. EMBANKMENT FOUNDATION IN THE VALLEY FLOOR WHICH IS DEEMED UNSUITABLE BY THE ENGINEER ON SITE IS TO BE REMOVED AND REPLACED BY ZONE A OR ZONE C1 MATERIAL.
6. COMPACTED SOIL LINER IN TSF AS FOLLOWS:
   - WHERE IN-SITU MATERIAL IS UNSUITABLE AS COMPACTED SOIL LINER - 300mm IMPORTED SOIL ZONE A MATERIAL.
   - WHERE IN-SITU MATERIAL IS SUITABLE AS COMPACTED SOIL LINER - SCARIFY, MOISTURE CONDITION AND COMPACT IN-SITU MATERIAL (200mm).
7. HDPE LINER INSTALLED TO EXTENTS SHOWN ON DRAWING 801-402-A3000-101 AND 801-402-A3000-125.
8. FOR FINAL STAGE NORTH AND WEST EMBANKMENT DOWNSTREAM TOE DRAIN REFER TO DRAWING 801-402-A3000-652.



C/125 TYPICAL EAST, NORTH AND SOUTH FINAL STAGE EMBANKMENT SECTION WITH HDPE LINER



D/125 TYPICAL WEST FINAL STAGE EMBANKMENT SECTION

NOT FOR CONSTRUCTION

REFERENCE DRAWINGS	REV	DATE	DESCRIPTION	DRN	DESIGN	CKD	APP	CLIENT APP
801-402-A3000-005 - ABBREVATIONS, SPECIFICATIONS AND LEGENDS	A	10/06/2025	ISSUED FOR DEFINITIVE FEASIBILTY STUDY	AS	AMM	AMM	DJTM	
801-402-A3000-101 - GENERAL ARRANGEMENT PLAN - STAGE 1	B	08/08/2025	ISSUED FOR DFS - UPDATED AUGUST 2025	AS	AMM	AMM	DJTM	
801-402-A3000-125 - GENERAL ARRANGEMENT PLAN - FINAL STAGE								
801-402-A3000-301 - TYPICAL SECTIONS AND DETAILS - SHEET 1								
801-402-A3000-303 - TYPICAL SECTIONS AND DETAILS - SHEET 3								
801-402-A3000-303 - TYPICAL SECTIONS AND DETAILS - SHEET 3								
801-402-A3000-652 - SWM TYPICAL SECTIONS AND DETAILS - SHEET 2								

ORIGINAL STAMPED IN RED

DATE	DESIGNED	CHECKED	APPROVED	CLIENT APP'D

Knight Piésold CONSULTING

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RAMELIUS RESOURCES LIMITED
REBECCA ROE GOLD PROJECT
TAILINGS STORAGE FACILITY AND SWM
TYPICAL SECTIONS AND DETAILS - SHEET 2

SCALE AS SHOWN
STATUS: DFS
DRAWING NUMBER 801-402-A3000-302
REV B

Figure 3: **TSF emabnkment design**

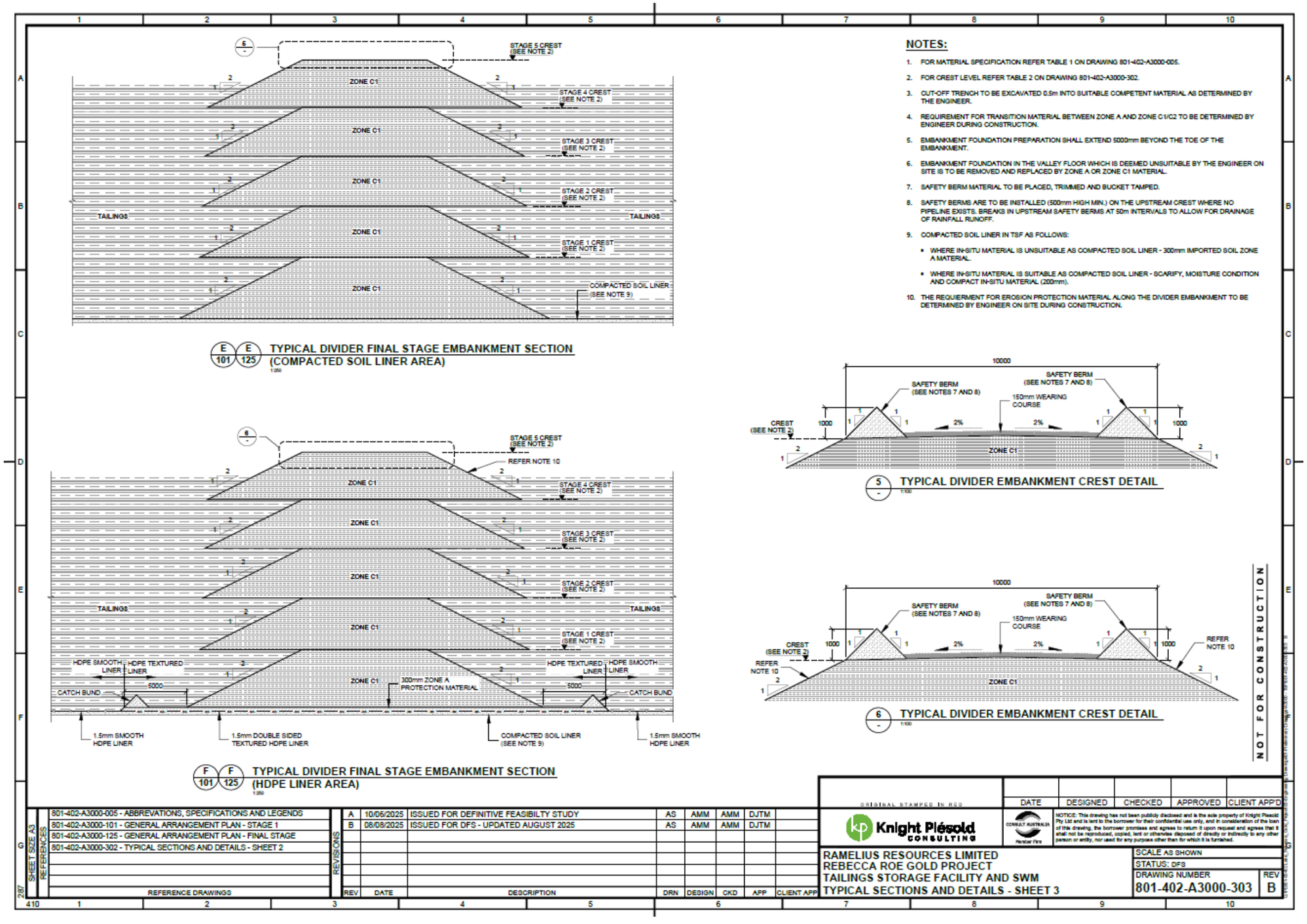

Figure 4: **TSF internal embankments and crest design**

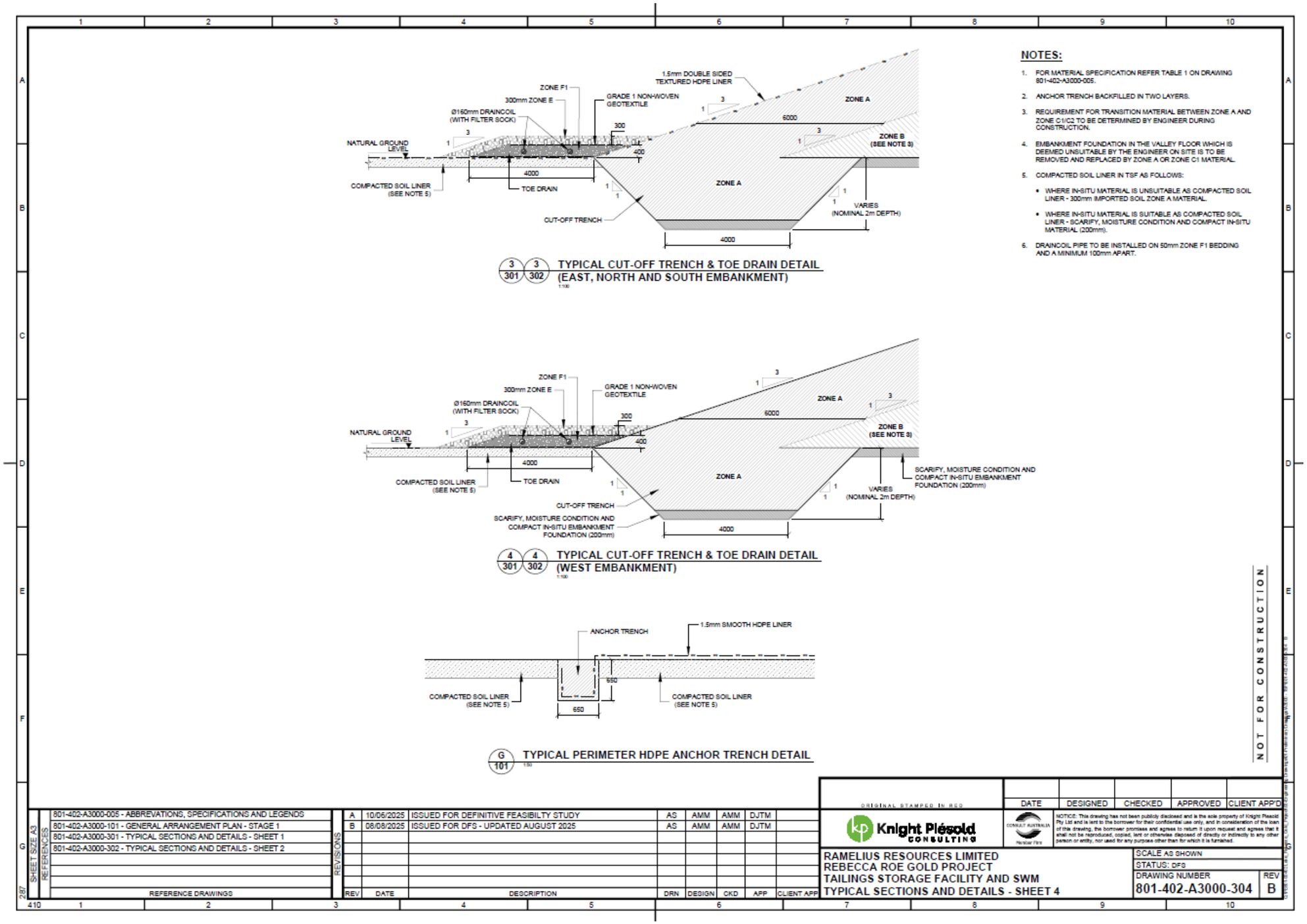

Figure 5: **TSF cut-off trench**

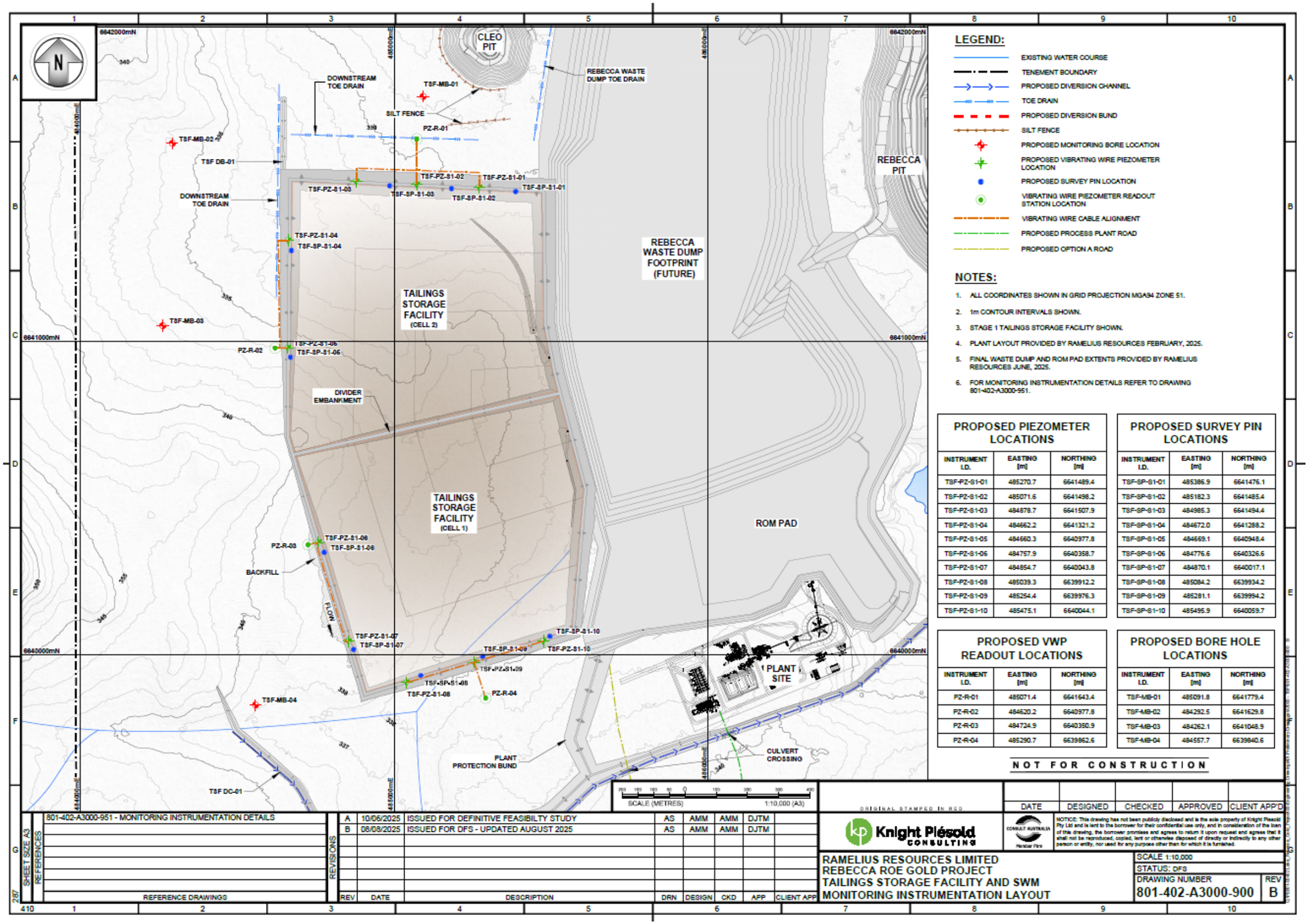

Figure 6: TSF monitoring bore locations

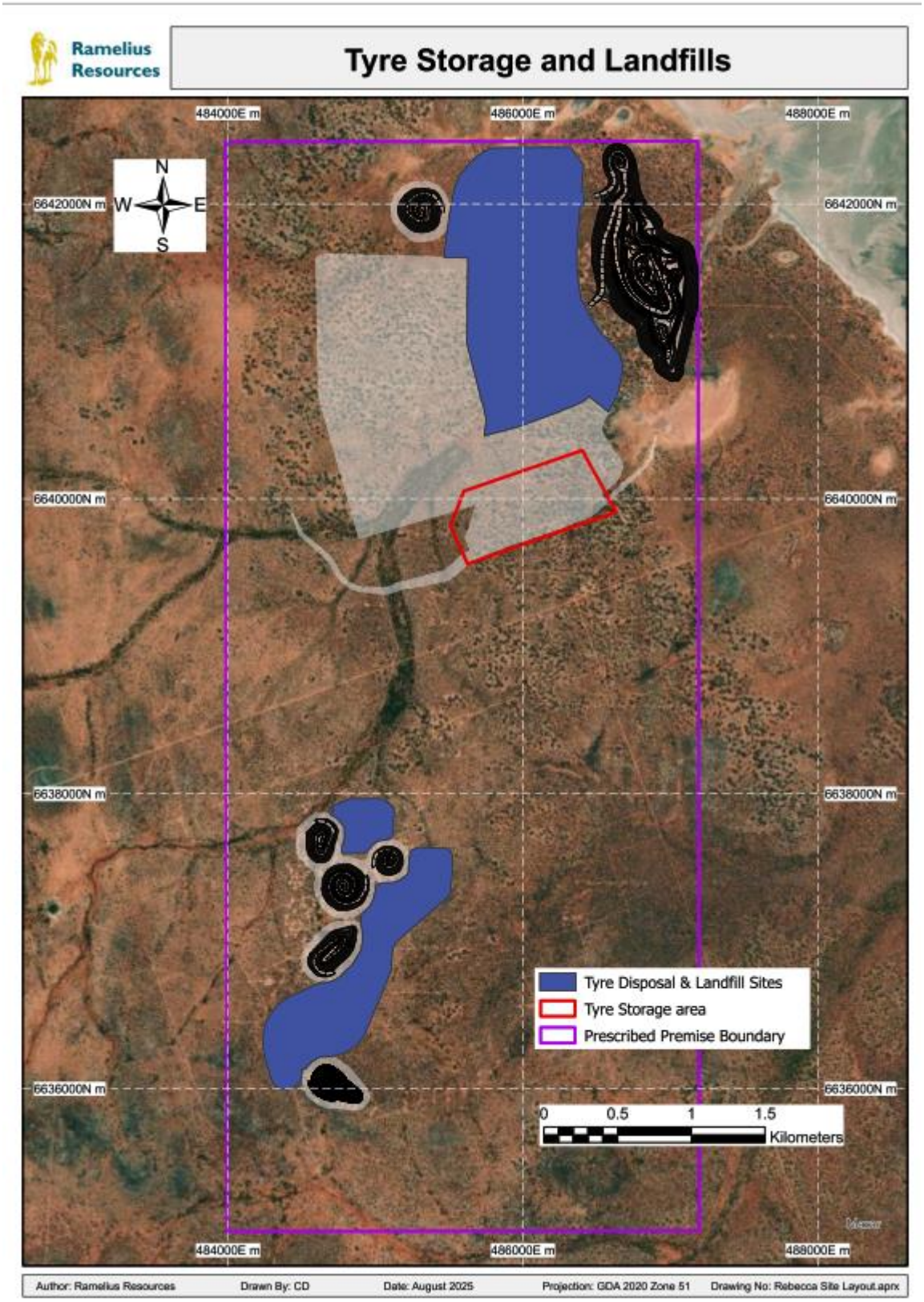

Figure 7: Tyre storage and landfill locations

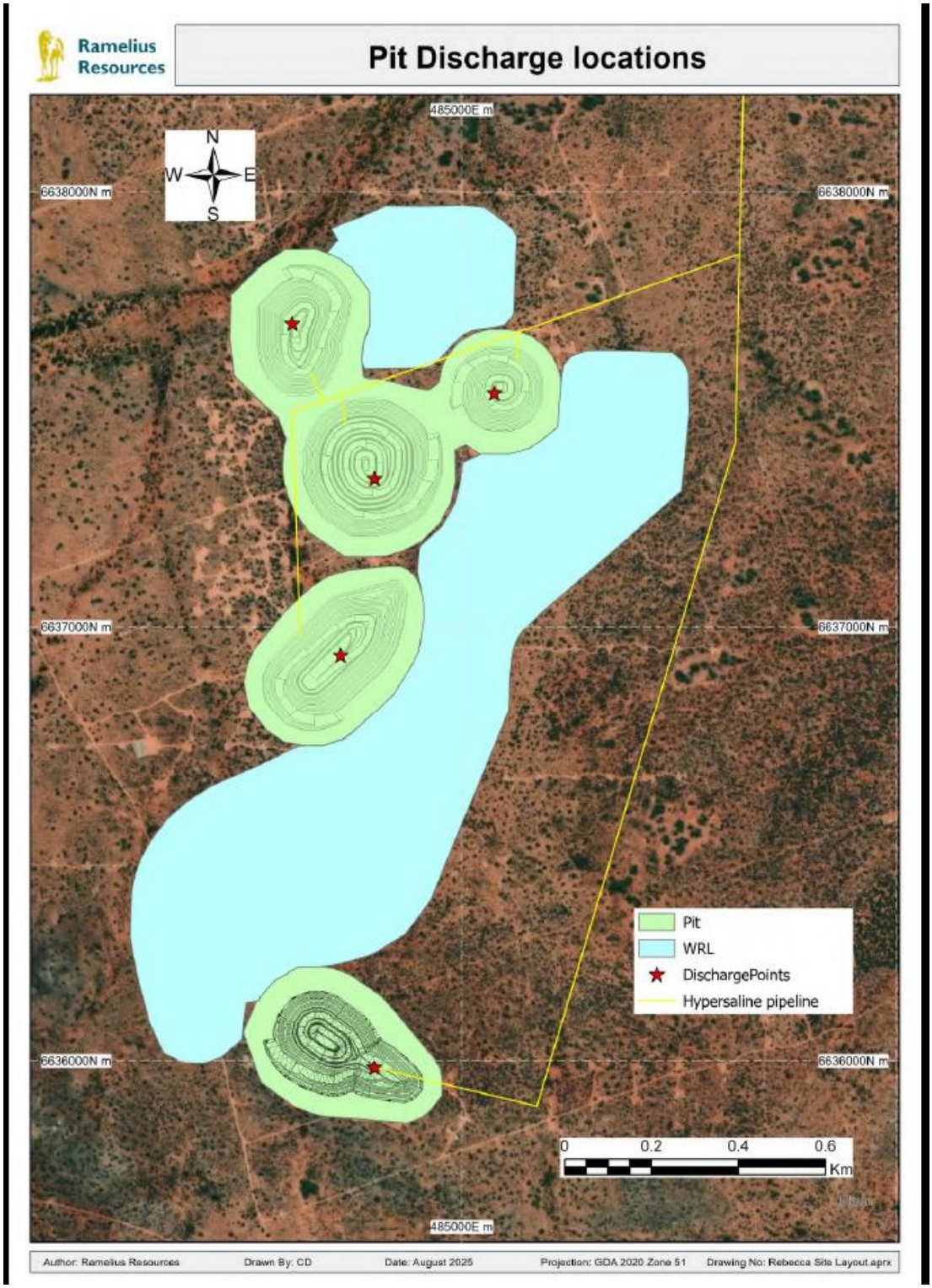

Figure 8: Dewatering arrangement

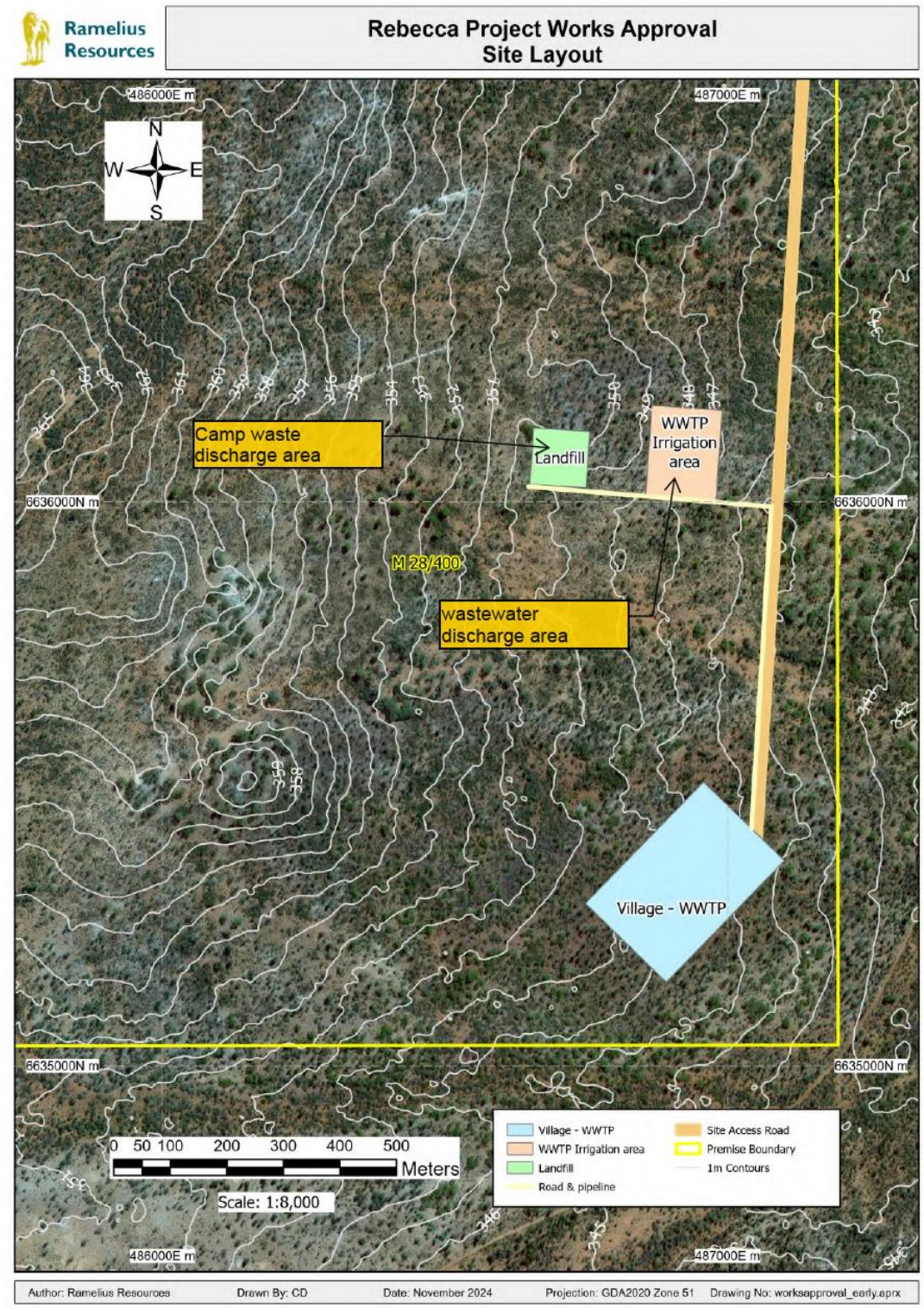

Figure 9: Location of village WWTP, irrigation field and village landfill