Government of Western Australia
Department of Water and Environmental Regulation

Works Approval

Works approval number	W3180/2025/1
Works approval holder	Emerald Resources (WA) Pty Ltd
ACN	118 341 736
Registered business address	1110 Hay Street WEST PERTH WA 6005
DWER file number	INS-0003180
Duration	04/05/2026 to 03/05/2029
Date of issue	04/05/2026

Premises details	Dingo Range Gold Project Legal description - Part of mining tenements: M37/519 and M37/1309 LEONORA WA 6438 As defined by the premises map in Schedule 1 and the coordinates in Schedule 3

Prescribed premises category description **(Schedule 1, *Environmental Protection Regulations 1987*)**	**Assessed design capacity**
Category 5: Processing or beneficiation of metallic or non-metallic ore	3,000,000 tonnes per year
Category 52: Electric power generation	16 MW
Category 73: Bulk storage of chemicals	1,200 m^3 in aggregate
Category 89: Putrescible landfill site	5,000 tonnes per year

This works approval is granted to the works approval holder, subject to the attached conditions, on 4 May 2026, by:

Christine Pustkuchen
Digitally signed by Christine Pustkuchen
Date: 2026.05.04 11:18:01 +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
04/05/2026	W3180/2025/1	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 requirements;

(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.	Processing plant, consisting of: Crushing and grinding circuit, leaching circuit, elution circuit, reagent storage area, workshops, Run of mine (ROM) pad, carbon regeneration and gold room.	a) Layout of the processing plant to be in accordance with Figure 4 of Schedule 1. b) Processing plant areas must be constructed on compacted soil or hardstand, contoured so that stormwater is directed to the sediment dam or the Stormwater Pond and / or Event Pond. c) Storage tanks and pipelines associated with the processing plant must be installed on compacted soil or hardstand and surrounded by bunding. d) Reagent and hydrocarbon storage area bunding must be constructed in accordance with AS 1940 and AS 1692. e) Reagent storage areas must be installed on bunded hardstand, contoured so that spills and stormwater are directed to a sump, equipped with a pump. f) Workshop washdown bays to be installed on hardstand areas with drainage directed to oily water separators. g) Crushing circuit to be fitted with water sprays for dust suppression. h) ROM pad must be constructed from only non-acid forming (NAF) waste rock. i) ROM pad must be compacted to reduce infiltration, bunded and contoured towards a sump at the ROM pad to capture stormwater runoff and any leachate from the stockpiles. j) Bunding and / or diversion channels must be constructed around the processing plant to divert uncontaminated stormwater runoff away from the plant and to capture contaminated stormwater to prevent release into the environment.	As indicated in Figures 2 and 4 of Schedule 1.

	Infrastructure	Design and construction / installation requirements	Infrastructure location
		k) Sediment basin to be established to capture sediment laden stormwater sized for a 1 in 10 AEP 24 hour event. l) Water carts must be available for dust suppression during construction / earthwork activities.	
2.	Tailings and return water pipelines	a) Pipelines must be equipped with telemetry systems and flow sensors to allow the detection of leaks and failures. b) Pipelines must be equipped with isolation valves. c) Pipelines must be installed within a secondary containment sufficient to contain any spill for a period equal to the time between routine inspections. d) Pipelines must be equipped with flowmeters to measure tailings volume deposited and return water recovered.	Within the prescribed premises boundary.
3.	Process water dam and raw water dam	a) Embankment specifications: i. Process water dam embankment must be constructed in accordance with Figure 10 of Schedule 2. ii. Raw water dam embankment must be constructed in accordance with Figure 11 of Schedule 2. iii. Embankment must be constructed with only NAF material and compacted to minimise erosion. iv. Embankments constructed to a maximum height of 4.5 m above ground level. v. Embankment crest must be constructed with a minimum width of 5 m. vi. Process water dam and raw water dam basin and upstream embankments must be lined with a minimum 1 mm thick HDPE liner, anchored to the embankment crest.	Labelled 'process water dam and raw water dam' in Figure 4 of Schedule 1.
4.	Stormwater pond and event pond	a) Embankments constructed of compacted NAF material to a maximum height of 3 m above ground level. b) Foundation to be moisture conditioned and compacted with proof rolling.	Labelled 'stormwater pond and event pond' in Figure 4 of Schedule 1.
5.	Fuel farm (bulk fuel storage area)	a) Consisting of 3 tanks with a combined 515 kL capacity. b) Fuel farm must be located on bunded, hardstand areas draining to a sump. c) Underground fuel transfer lines must meet the requirements of European Standard EN14125	Labelled 'fuel farm' in Figure 4 of Schedule 1.

	Infrastructure	Design and construction / installation requirements	Infrastructure location
		and be pressure tested to AS 2885.5 prior to use. d) Above ground pipework to meet the requirements of AS 1940 and be fully bunded.	
6.	Reverse osmosis (RO) plant	a) Effluent outlet to report to the process water dam.	Within the prescribed premises boundary.
7.	Power station	a) Consisting of 10 x 11kV 1.6MW diesel fuelled generators or equivalent installed in accordance with the manufacturers specifications. b) Power station must be installed on bunded, concrete hardstand, contoured to a sump with an oily water separator.	Labelled 'power station' in Figures 2 and 4 of Schedule 1.
8.	Landfill	a) To be located in the Bungarra Waste Rock Landform, as shown in Figure 3 of Schedule 1. b) Trenches to be constructed progressively, up to 50 m (length) x 5 m (wide) x 5 m (depth) in size. c) Fence around the facility and signage detailing the types of waste that may be accepted to be installed. d) Windrows to be constructed around the trenches to divert uncontaminated stormwater away from the landfill.	Labelled 'landfill' in Figure 3 of Schedule 1

Compliance reporting

2. The works approval holder must within 60 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; and

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

4. Within 60 days of the grant date of this works approval, the works approval holder must create a plan to design and construct groundwater monitoring bores in at least 2 locations to the east of the TSF (one north and one south of DRMB09) in addition

to the proposed groundwater monitoring bores shown in Figure 5 of Schedule 1.

5. The works approval holder must construct and install groundwater monitoring bores in accordance with the requirements specified in Table 2.

Table 2: Infrastructure installation requirements – groundwater monitoring bores

Infrastructure	Design, construction, and installation requirements	Monitoring bore locations	Timeframe
Groundwater monitoring bores DRMB06S, DRMB06D, DRMB07S, DRMB07D, DRMB08S, DRMB08D, DRMB09S, DRMB09D, DRMB10D, DRMB11S, DRMB11D The two additional groundwater monitoring bores required by condition 4.	<u>Bore design and construction:</u> Designed and constructed in accordance with the *Minimum Construction Requirements for Water Bores in Australia*. Bore 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, bores must be nested, and the perched features individually screened.	As shown in Figure 5 of Schedule 1.	Must be constructed, developed (purged), and determined to be operational prior to the submission of the Critical Containment Infrastructure Report for the Dingo Range Starter Embankment required by condition 7.
	<u>Logging of borehole:</u> Soil samples must be collected and logged during the installation of the monitoring bores. 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>Bore construction log:</u> Bore construction details must be documented within a bore construction log to demonstrate compliance with *Minimum Construction Requirements for Water Bores in Australia*. 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>Bore development:</u> All installed monitoring bore must be developed after drilling to remove fine sand, silt, clay and any drilling mud residues from around the bore screen to ensure the hydraulic functioning of the bore. A detailed record should be kept of bore development activities and included in the bore construction log.		
	<u>Installation survey:</u> The vertical (top of casing) and horizontal position of each monitoring bore must be surveyed and subsequently mapped by a suitably qualified surveyor.		
	<u>Bore network map:</u> A bore location map (using aerial image overlay) must be prepared and include the location of all monitoring bores in the		

Infrastructure	Design, construction, and installation requirements	Monitoring bore locations	Timeframe
	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 bore screen depth and length.

6. The works approval holder must, within 60 calendar days of the monitoring bores specified in condition 5 being constructed, submit to the CEO a bore construction report evidencing compliance with the requirements of condition 5.

Critical Containment Infrastructure

7. The works approval holder must:

(a) construct the 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 3.

Table 3: **Critical containment infrastructure design and construction requirements**

	Infrastructure	Design and construction requirements	Infrastructure location
1.	Starter embankment for the Dingo Range Tailings Storage Facility (TSF)	Foundation: a) Footprint of the facility must be stripped of low-strength and compressible soils. b) Foundation material must be moisture conditioned and compacted with proof rolling. Starter embankment: c) Starter embankment must be constructed in accordance with Figures 6, 8 and 9 of Schedule 2. d) Crest height of starter embankment must not exceed 494.5 m RL. e) Starter embankment must be constructed using only non-acid forming material. f) Starter embankment crest must be constructed with a minimum width of 30 m. g) Upstream embankment to be clay-lined, compacted to a permeability of less than 1 x 10^{-8} m/s, verified in accordance with AS 1289. h) Downstream starter embankment must be constructed with a slope no steeper than 1V:2.5H. i) Downstream embankment must be rock armoured to a height of at least 492 m	Tailings Storage Facility, as indicated in Figure 3 of Schedule 1.

	Infrastructure	Design and construction requirements	Infrastructure location
		RL to protect against flooding. j) Minimum of 8 piezometers to be installed. k) Tailings distribution pipeline must be installed along the perimeter embankment, with spigots installed at about 60 m intervals. Decant system: l) Central decant structure must be constructed in accordance with Figures 6 and 8 of Schedule 2. m) Return water pumping system must be installed at the decant tower. Drainage and seepage interception: n) Upstream cut-off key must be installed beneath the clay-fill zone of the upstream embankment in accordance with Figure 9 of Schedule 2. Cut-off key to be: i. a minimum 4m wide, ii. excavated to refusal and iii. filled with compacted clay. o) Seepage Interception System to be installed along the downstream embankment toe in accordance with Figures 6 and 9 of Schedule 2. Seepage interception trench i. to be a minimum 1 m wide, ii. excavated to refusal, iii. back-filled with high permeability rock, iv. to contain a slotted seepage collection pipe system; v. including lateral trenches graded at a minimum 1% gradient to the seepage collection sumps. p) A minimum of 3 seepage collection sumps to be installed outside the final footprint of the TSF as part of the Seepage Interception System, in accordance with Figures 6 and 9. All seepage collection sumps to be equipped with a pump system and flow meter to measure seepage return to the TSF decant.	
2.	Dingo Range TSF Stage 1 embankment	Stage 1 embankment: a) Embankment must be constructed in	Tailings Storage Facility, as

	Infrastructure	Design and construction requirements	Infrastructure location
	raise	accordance with Figures 7, 8 and 9 of Schedule 2. b) Crest height of starter embankment must not exceed 504.75 m RL. c) Embankment must be constructed using downstream construction method. d) Embankment must be constructed using only non-acid forming material. e) Embankment crest must be constructed with a minimum width of 30 m. f) Upstream embankment to be clay-lined, compacted to a permeability of less than 1 x 10^{-8} m/s, verified in accordance with AS 1289. g) Downstream embankment must be constructed with a slope no steeper than 1V:2.5H. h) Downstream embankment must be rock armoured to a height of at least 492 m RL to protect against flooding. i) Minimum of 8 piezometers to be installed. j) Tailings distribution pipeline must be reinstalled along the perimeter embankment, with spigots installed at about 60 m intervals. Decant system: k) Central decant structure must be raised in accordance with Figures 7 and 8 of Schedule 2. l) Decant return water pumping system must be reinstated at the decant tower. Drainage and seepage interception: m) Ensure Seepage Interception System is maintained, operable and utilised to capture seepage during and on the completion of construction works.	indicated in Figure 3 of Schedule 1.

Critical Containment Infrastructure Reporting

8. The works approval holder must within 60 calendar days of the Critical Containment Infrastructure identified by condition 7 being constructed:

(a) undertake an audit of their compliance with the requirements of condition 7; and

(b) prepare and submit to the CEO a Critical Containment Infrastructure Report on that compliance.

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

(a) certification by a suitably qualified civil or geotechnical engineer that each item of critical containment infrastructure or component thereof, as specified in condition 7, has been built and installed in accordance with the requirements specified in condition 7;

(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 7;

(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.

Time limited operations phase

Commencement and duration

10. The works approval holder may only commence time limited operations for an item of infrastructure identified in condition 1 where the Environmental Compliance Report as required by condition 2 has been submitted by the works approval holder for that item of infrastructure.

11. The works approval holder may only commence time limited operations for an item of critical containment infrastructure identified in condition 7:

(a) where the CEO has notified the works approval holder that the Critical Containment Infrastructure Report for that item of infrastructure as required by condition 8 meets the requirements of that condition; or

(b) where at least 30 business days have passed after the Critical Containment Infrastructure Report for that item of infrastructure as required by condition 8 has been submitted to the CEO.

12. The works approval holder may conduct time limited operations for an item of infrastructure specified in condition 1 and 7 (as applicable):

(a) for a period not exceeding 180 calendar days from the day the works approval holder meets the requirements of condition 10 or 11 for that item of infrastructure; or

(b) 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 12(a).

Time limited operations requirements and emission limits

13. During time limited operations, the works approval holder must ensure that the premises infrastructure and equipment listed in Table 4 and located at the corresponding infrastructure location is maintained and operated in accordance with the corresponding operational requirement set out in Table 4.

Table 4: Infrastructure and equipment requirements during time limited operations

	Site infrastructure and equipment	Operational requirement	Infrastructure location
1.	Processing plant, consisting of: Crushing and grinding circuit, leaching circuit, elution circuit, reagent storage area, workshops, Run of mine (ROM) pad, carbon regeneration and gold room.	• Dust suppression system must be fully operational and utilised for dust control. • Integrity of bunding, sumps and/or diversion drains must be maintained to divert uncontaminated stormwater runoff and contain potentially contaminated stormwater onsite.	As indicated in Figures 2 and 4 of Schedule 1.
2.	Tailings and return water pipelines	• Must conduct twice daily inspections to check for visual integrity	Within the prescribed premises boundary
3.	Process water dam and raw water dam	• Must maintain a minimum 0.5 m total freeboard. • Must maintain the integrity of the HDPE liner. • Must conduct twice daily inspections to confirm freeboard capacity and visual integrity.	Labelled 'process water dam and raw water dam' in Figure 4 of Schedule 1.
4.	Stormwater pond and event pond	• Must conduct weekly inspections to check capacity and visual integrity.	Labelled 'stormwater pond and event pond' in Figure 4 of Schedule 1.
5.	Power station	• Must undertake regular maintenance in accordance with manufacturer specifications.	Labelled 'power station' in Figures 2 and 4 of Schedule 1.
6.	Landfill	• Weekly inspections must be undertaken to ensure waste is contained. • Must undertake routine covering of waste at least monthly, or more often if required. • Windblown waste to be returned to the tipping face on a weekly basis. • Volume of waste deposited into landfill to be recorded • Stormwater to be directed away from landfill trench.	Labelled 'landfill' in Figure 3 of Schedule 1
7.	Tailings storage facility	• Must maintain a minimum 0.5 m total freeboard. • Must maintain decant pond at least 300 m from the embankments. • Must maintain and operate the seepage interception system. • Must conduct twice daily inspections	Labelled "Tailings Storage Facility" in Figure 2 of Schedule 1.

	Site infrastructure and equipment	Operational requirement	Infrastructure location
		to confirm freeboard capacity, check for visual integrity of the embankments and record any fauna fatalities. • Seepage collected in seepage interception system to be returned to the TSF or to the process water dam	

14. During time limited operations, the works approval holder must only dispose to the landfill wastes of a waste type, which does not exceed the corresponding rate at which waste is received, set out in Table 5.

Table 5: Types of waste authorised to be accepted for the landfill

Waste type	Rate at which waste is received
Clean Fill	5,000 tonnes per annual period (combined total).
Inert Waste Type 1	
Inert Waste Type 2	
Putrescible waste	
Contaminated solid waste meeting waste acceptance criteria specified for Class II landfills in accordance with the *Landfill Waste Classification and Waste Definitions 1996.*	

15. During time limited operations, the works approval holder must immediately recover, or remove and dispose of, spills of environmentally hazardous materials including fuel, oil, or other hydrocarbons, whether inside or outside an engineered containment system.

Monitoring during time limited operations

16. The works approval holder must ensure that:

(a) All water samples are collected and preserved in accordance with AS/NZS 5667.1
(b) All groundwater sampling is conducted in accordance with AS/NZS 5667.11; and
(c) All laboratory samples are submitted to and tested by a laboratory with current NATA accreditation for the parameters being measured.

17. The works approval holder must monitor the TSF decant pond during time limited operations in accordance with Table 6 and record the results of all such monitoring.

Table 6: Decant pond monitoring during time limited operations

Discharge point / emission	Parameter	Unit	Target	Frequency
	pH[1]	pH units	-	Monthly

Decant pond water at the TSF	Total Dissolved Solids (TDS)[1]	mg/L	>50,000 mg/L TDS	
	Total cyanide and Weak Acid Dissociable (WAD) cyanide	mg/L	<50 mg/L WAD cyanide	
	Dissolved Metals and Metalloids: Antimony (Sb), Arsenic (As), Barium (Ba), Cadmium (Cd), Chromium (Cr), Cobalt (Co), Copper (Cu), Iron (Fe), Lead (Pb), Manganese (Mn), Mercury (Hg), Molybdenum (Mo), Nickel (Ni), Selenium (Se), Vanadium (V), Zinc (Zn)	mg/L	-	Quarterly
	Major Ions: Bicarbonate (HCO_3), Calcium (Ca), Carbonate (CO_3), Chloride (Cl), Magnesium (Mg), Nitrate (NO_3), Potassium (K), Sodium (Na), Sulphate (SO_4)	mg/L	-	

Note 1: in-field non NATA accredited analysis permitted

18. During time limited operations, the works approval holder must record the following data monthly for the site water balance:

(a) site rainfall;

(b) evaporation rate;

(c) tailings decant return water recovery volumes;

(d) seepage recovery volumes;

(e) estimate of seepage losses; and

(f) volumes of tailings deposited to the TSF.

19. The works approval holder must monitor the groundwater during time limited operations for concentrations of the identified parameters in accordance with Table 7 and record the results of all such monitoring.

Table 7: Ambient groundwater monitoring during time limited operations

Monitoring location	Parameter	Unit	Limit	Frequency
DRMB01, DRMB02, DRMB03S, DRMB03D, DRMB05,	Standing water level (SWL)[1]	mbgl	4	Monthly
	pH[1]	pH units	-	
	Total Dissolved Solids (TDS) [1]	mg/L		
When constructed: DRMB06S, DRMB06D, DRMB07S, DRMB07D,	Total cyanide and Weak Acid Dissociable (WAD) cyanide			Quarterly
	Dissolved Metals and Metalloids: Antimony (Sb), Arsenic (As), Barium (Ba), Cadmium (Cd), Chromium (Cr), Cobalt (Co), Copper (Cu), Iron (Fe), Lead (Pb), Manganese (Mn), Mercury (Hg), Molybdenum (Mo),			

DRMB08S, DRMB08D, DRMB09S, DRMB09D, DRMB10D, DRMB11S, DRMB11D The two additional groundwater monitoring bores required by condition 4.	Nickel (Ni), Selenium (Se), Vanadium (V), Zinc (Zn)			
	Major Ions: Bicarbonate (HCO_3), Calcium (Ca), Carbonate (CO_3), Chloride (Cl), Magnesium (Mg), Nitrate (NO_3), Potassium (K), Sodium (Na), Sulphate (SO_4)			

Note 1: in-field non NATA accredited analysis permitted

Compliance reporting

20. 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.

21. The works approval holder must ensure the report required by condition 20 includes the following:

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

(b) a summary of decant water quality monitoring and ambient groundwater monitoring results obtained during time limited operations under condition 17 and 19.

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

(i) volume of tailings material deposited;

(ii) details of the site water balance, including an estimate of the seepage losses;

(iii) volume of waste disposed of to the landfill; and

(iv) any fauna fatalities associated with the TSF;

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

22. 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.

23. 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 7;

(b) any inspections and maintenance of infrastructure that is performed in the course of complying with condition 13;

(c) monitoring programmes undertaken in accordance with conditions 17 and 19; and

(d) complaints received under condition 22.

24. The books specified under condition 23 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 8 have the meanings defined.

Table 8: Definitions

Term	Definition
AEP	means annual exceedance probability
AS 1940	means the Australian Standard *AS 1940:2017 The storage and handling of flammable and combustible liquids.*
AS 1692	means the Australian Standard *AS 1692:2006 Steel tanks for flammable and combustible liquids*
AS 2885.5	means the Australian Standard *AS 2885.5:2020 Pipelines – Gas and liquid petroleum, Part 5: Pressure testing*
AS/NZS 5667.11	means the Australian Standard *AS/NZS 5667.11 Water quality - sampling - guidance on sampling groundwater*.
AS/NZS 5667.1	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 1289	means the Australian Standard *AS 1289:2000 Method of testing soils for engineering purposes*
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 7.
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 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).
freeboard	means the distance between the maximum water surface water elevations and the top of retaining banks or structures at their lowest point.
HDPE	means high-density polyethylene.
Landfill Waste Classification and Waste Definitions 1996	means the document "*Landfill Waste Classification and Waste Definitions 1996 (as amended 2019)*" published by the Chief Executive Officer and as amended from time to time.
mbgl	means metres below ground level
NATA	means National Association of Testing Authorities.
NAF	means non-acid forming
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.
suitably qualified civil or geotechnical engineer	means a person who: (a) holds a Bachelor of Civil or Geotechnical Engineering degree recognised by Engineers Australia; and (b) has a minimum of five years of experience working in the field of geotechnical/civil engineering; and (c) is employed by an independent third party external to the Works Approval Holder's business; or is otherwise approved in writing by the CEO to act in this capacity.
suitably qualified engineer	means a person who: (a) holds a Bachelor of Engineering degree recognised by Engineers Australia; and (b) has a minimum of five years of experience working in the field of engineering; or is otherwise approved in writing by the CEO to act in this

Term	Definition
	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.
TSF	Tailings Storage Facility
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).

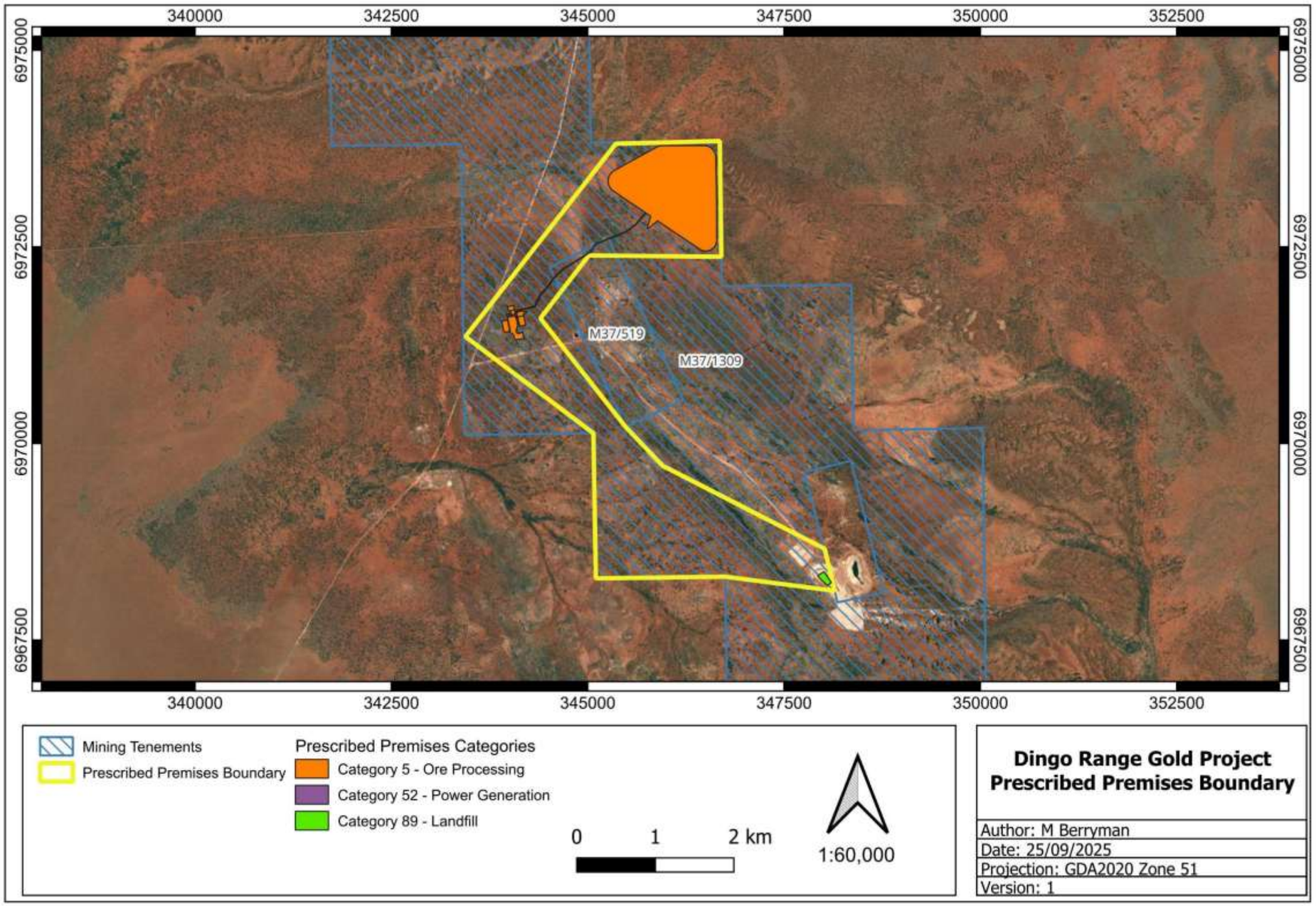


Figure 1: Map of the boundary of the prescribed premises

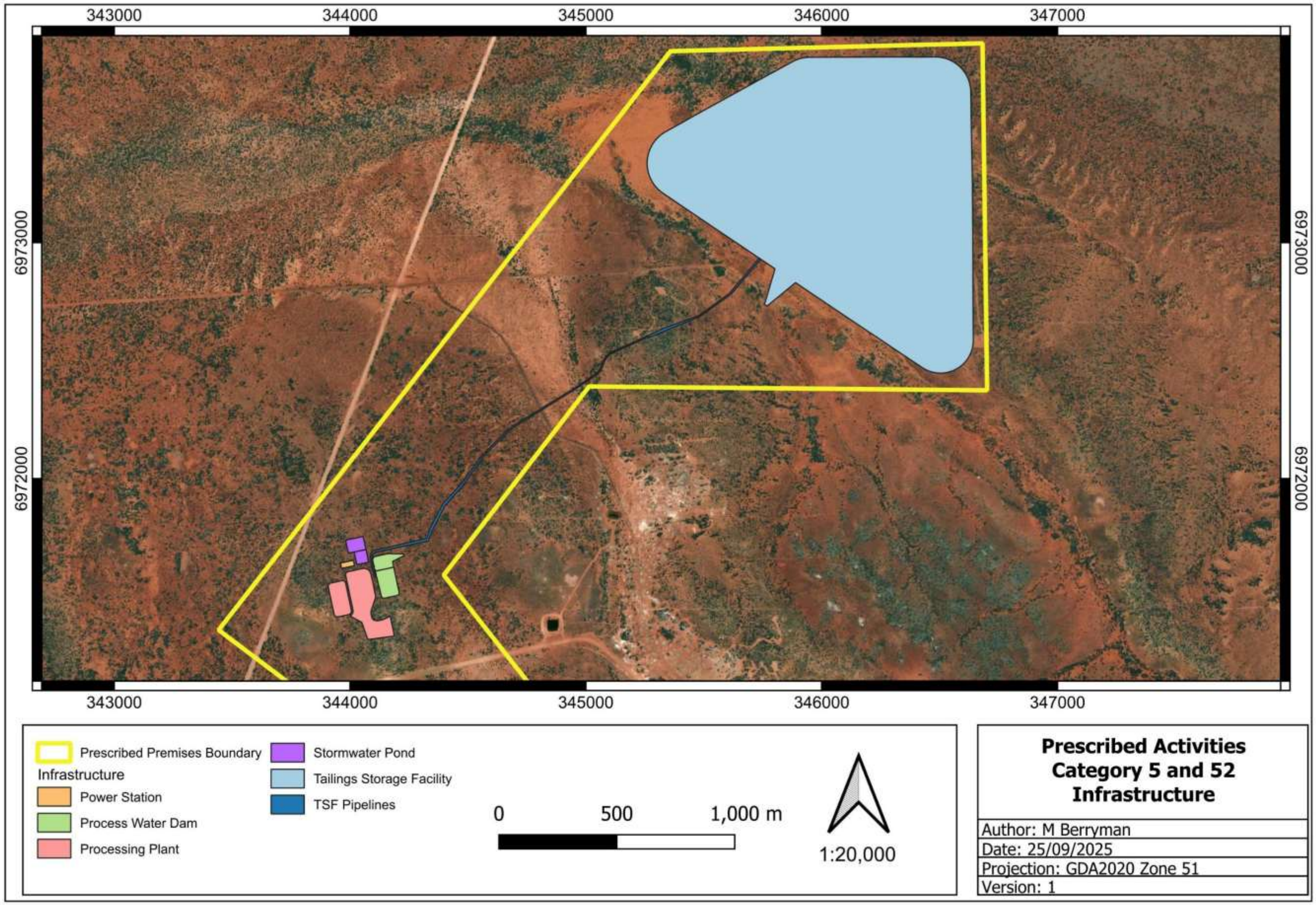


Figure 2: Location of the processing plant, tailings storage facility, power station and containment dams.

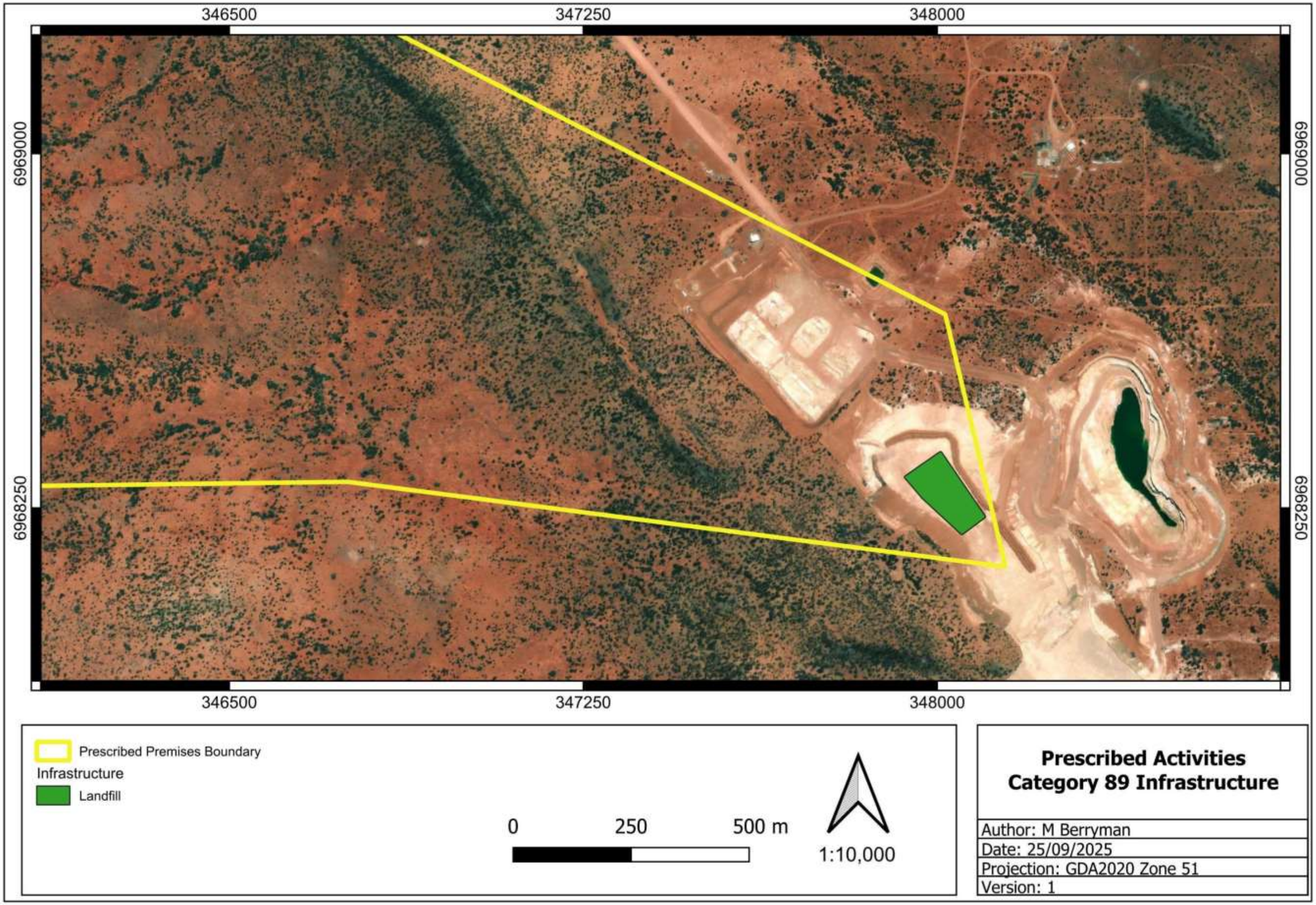
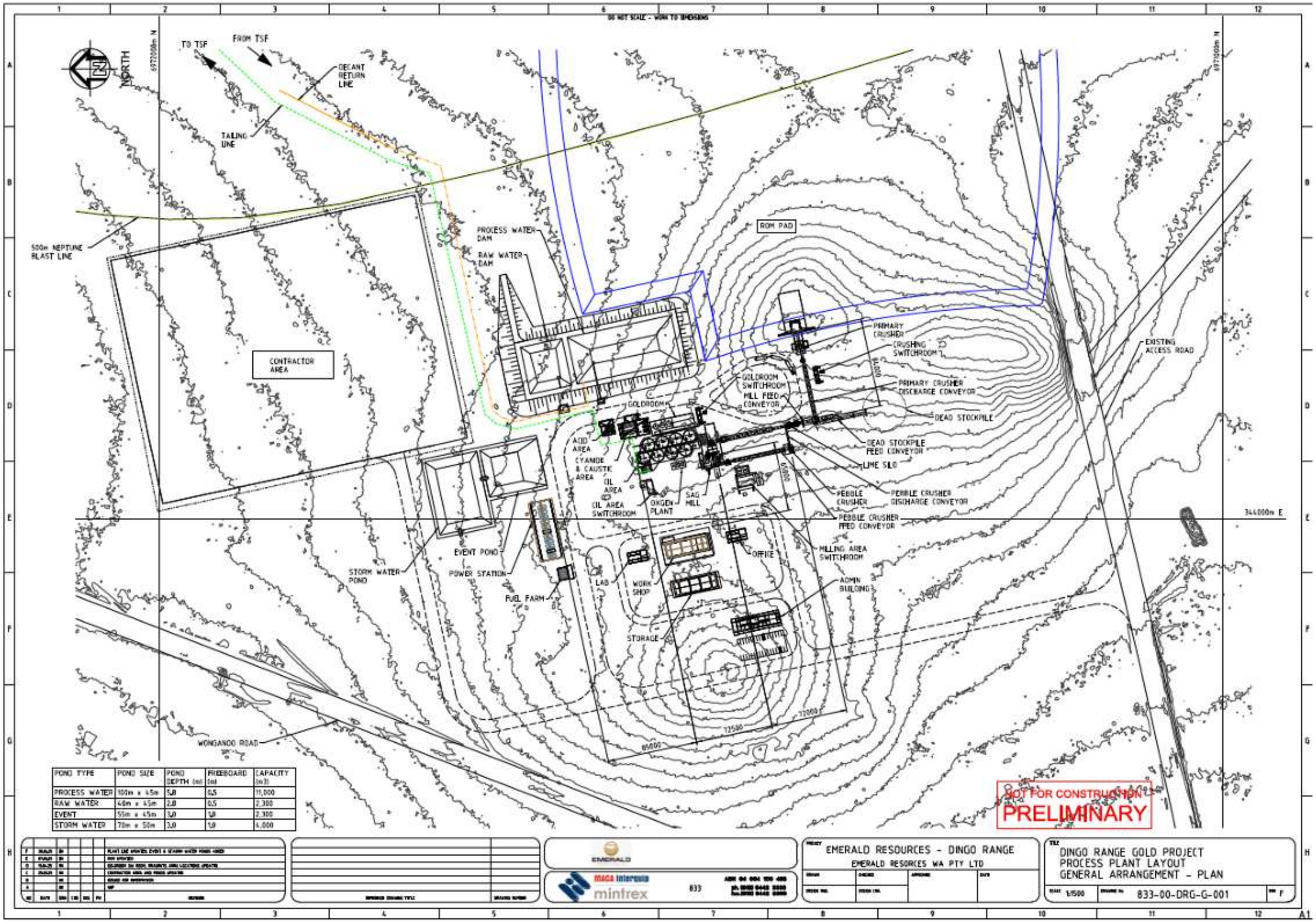


Figure 3: Location of the landfill



POND TYPE	POND SIZE	POND DEPTH (m)	FREEBOARD (m)	CAPACITY (m3)
PROCESS WATER	100m x 45m	5.0	0.5	11,000
RAW WATER	40m x 45m	2.0	0.5	2,300
EVENT	55m x 45m	3.0	1.0	2,300
STORM WATER	70m x 50m	3.0	1.0	4,000

Figure 4: Process plant layout

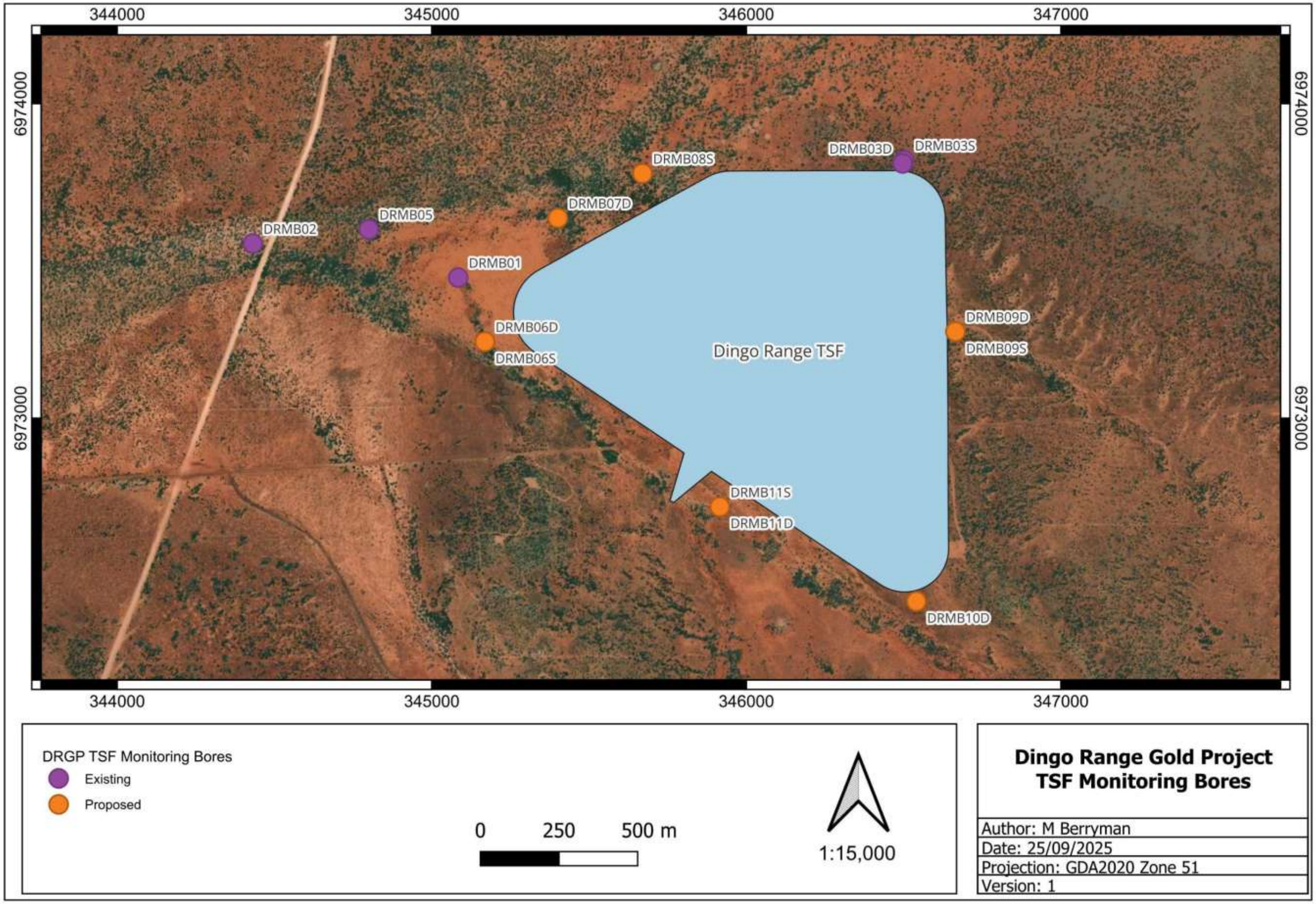


Figure 5: Monitoring bore locations

Schedule 2: Infrastructure design drawings

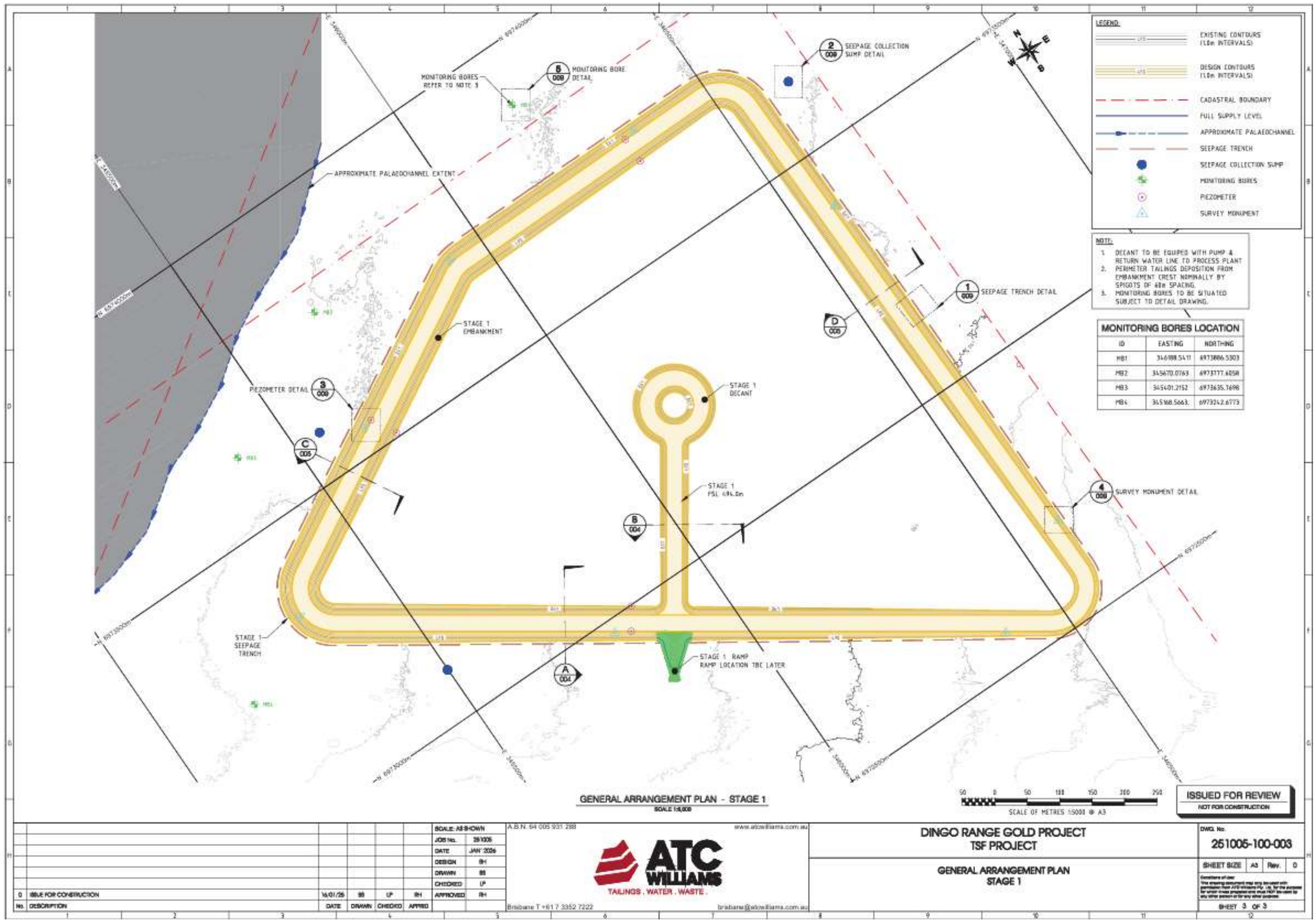


Figure 6: Starter embankment for the Dingo Range Tailings Storage Facility

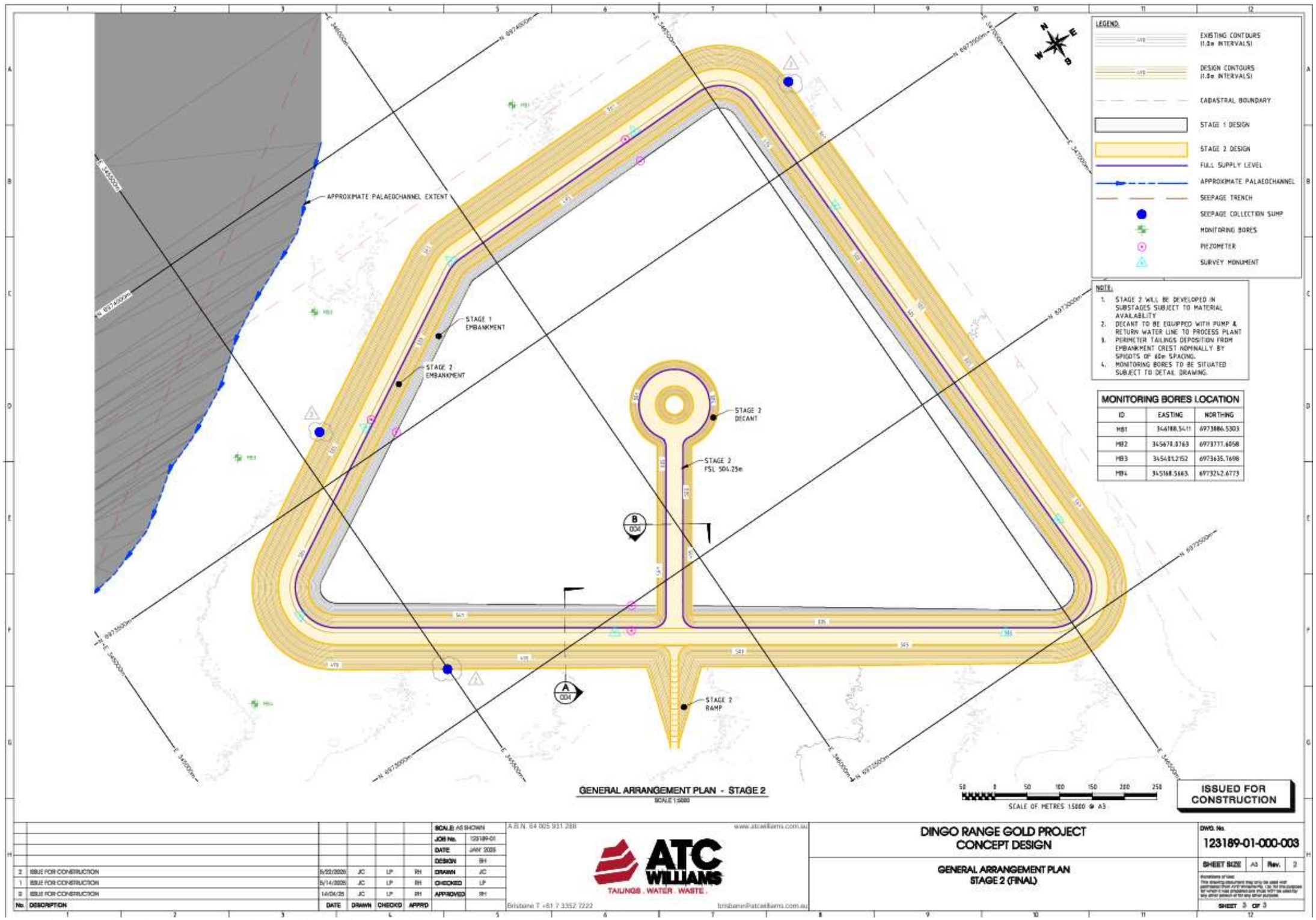


Figure 7: Stage 1 embankment raise for the Dingo Range Tailings Storage Facility

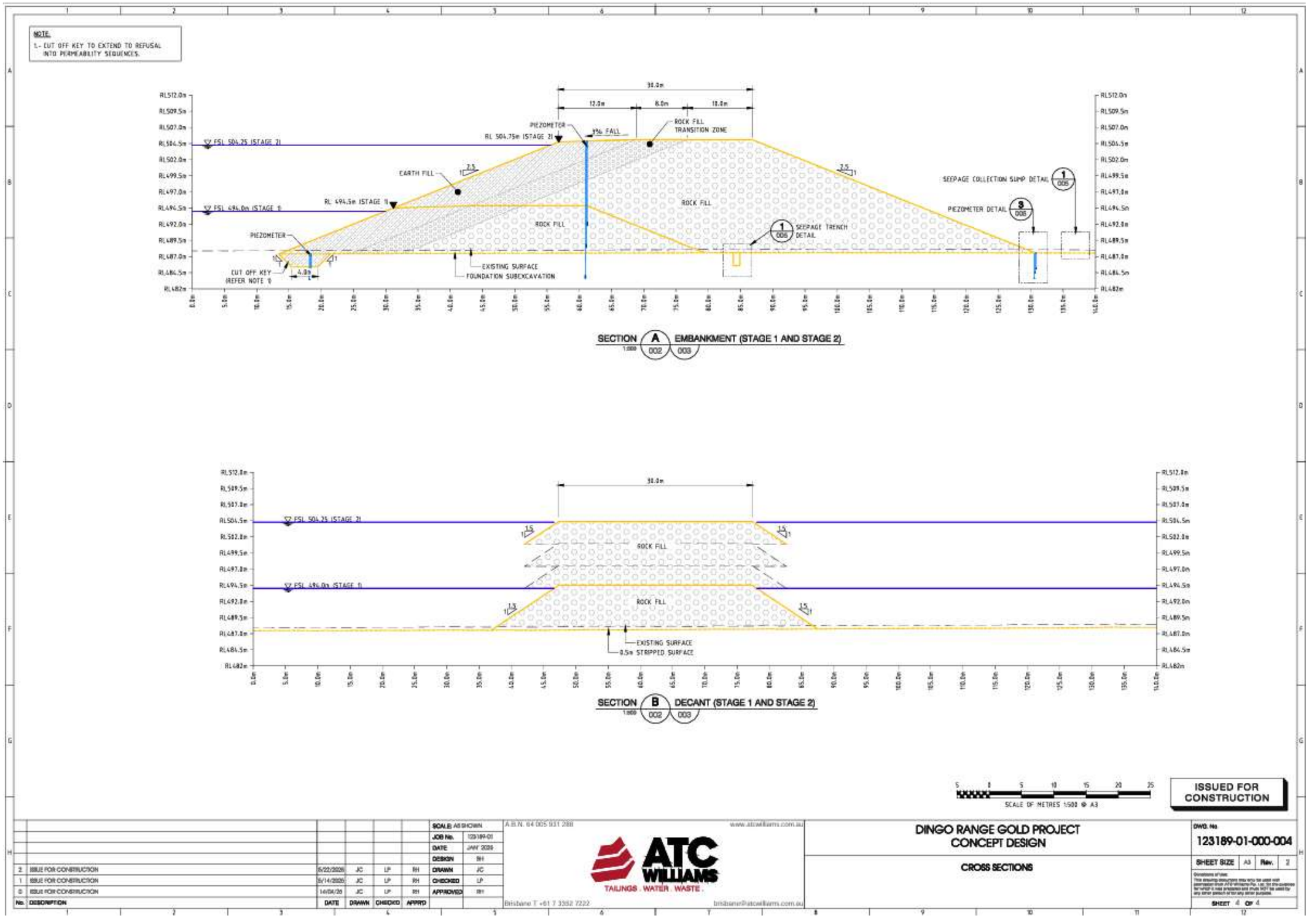


Figure 8: Dingo Range Tailings Storage Facility embankment cross-sections

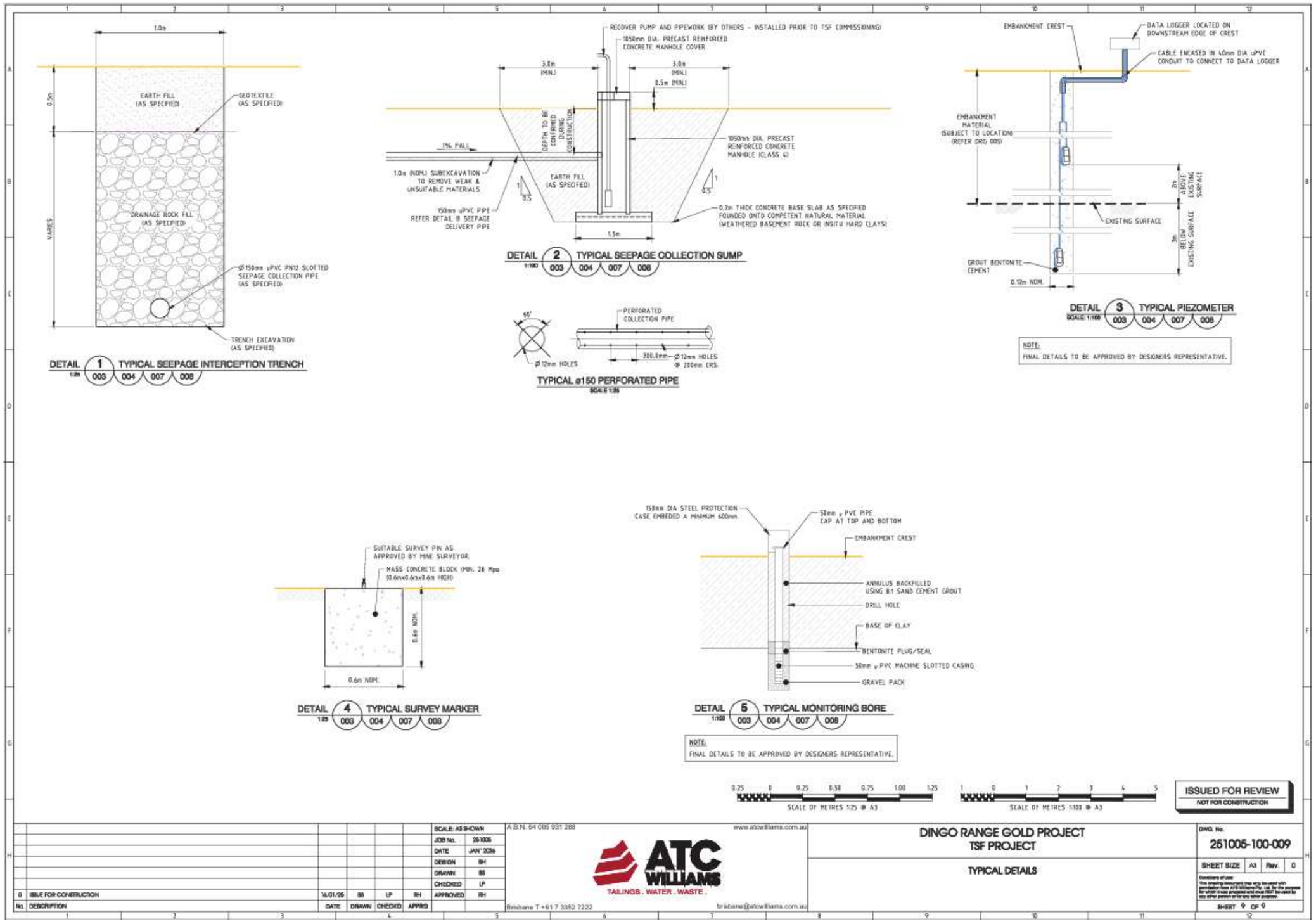


Figure 9: Seepage Interception System, monitoring bore and piezometer design drawings

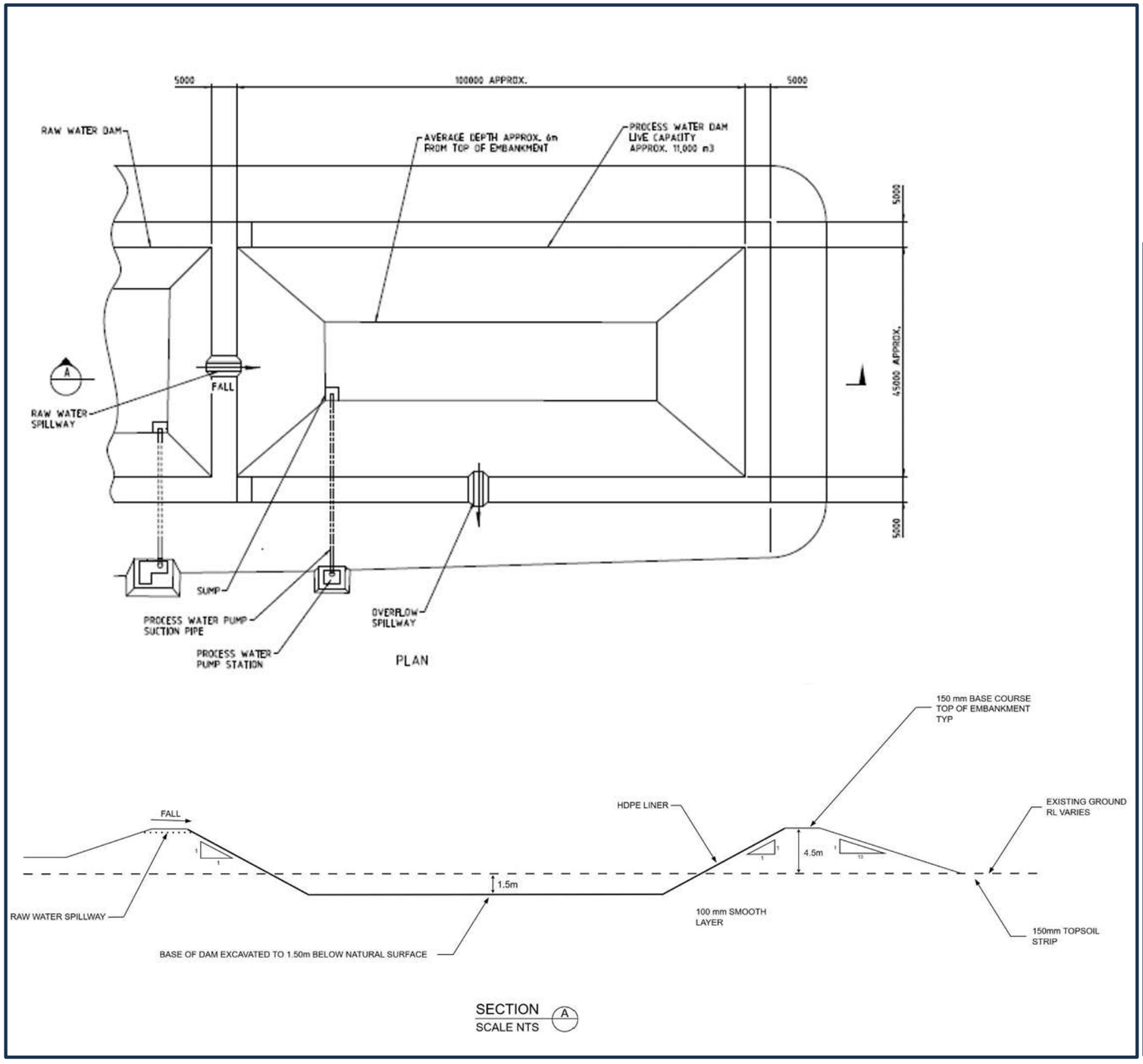


Figure 10: Process water dam design drawings

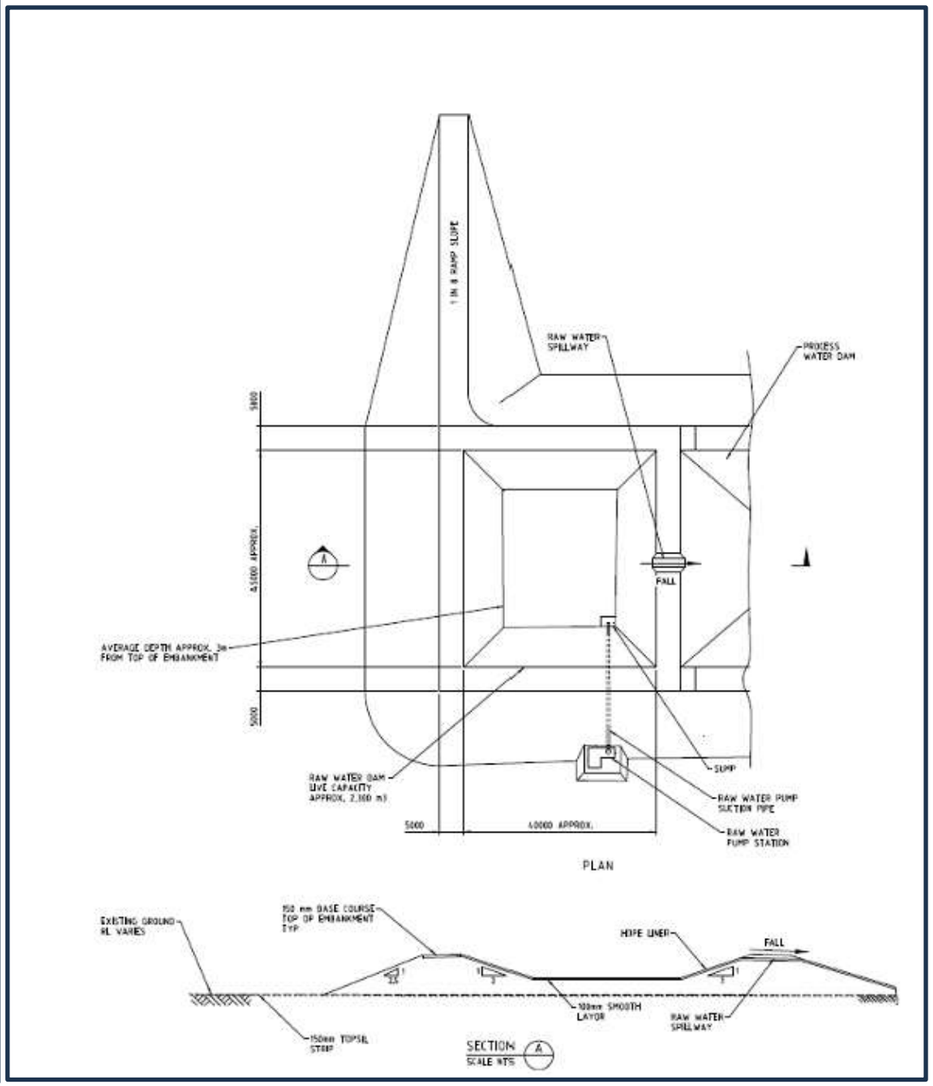


Figure 11: Raw water dam design drawings

Schedule 3: Premises boundary

The corners of the premises boundary are the coordinates listed in Table 9.

Table 9: Premises boundary coordinates (GDA2020)

	Easting	Northing	Zone
1.	346,682.2359	6,973,844.9670	51
2.	346,701.7872	6,972,373.9505	
3.	345,013.9409	6,972,390.2676	
4.	344,397.4951	6,971,590.8266	
5.	345,480.5824	6,970,212.4681	
6.	345,957.6070	6,969,714.3500	
7.	348,017.0788	6,968,659.8012	
8.	348,144.7635	6,968,125.2228	
9.	346,750.7851	6,968,305.1517	
10.	345,104.0736	6,968,283.6796	
11.	345,072.3392	6,970,129.0073	
12.	343,442.4632	6,971,357.8335	
13.	345,358.9955	6,973,811.5823	