Government of Western Australia
Department of Water and Environmental Regulation

Licence

Licence number	L6420/1988/14
Licence holder	Kalgoorlie Consolidated Gold Mines Pty Ltd
ACN	009 377 619
Registered business address	Kalgoorlie Consolidated Gold Mines Pty Ltd Black Street KALGOORLIE WA 6430
DWER file number	INS-0001317
Duration	29/09/2014 to 24/09/2030
Date of issue	25/09/2014
Date of amendment	15/08/2025
Premises details	Fimiston Processing Plant Tenements G26/15, G26/44-68, G26/70-71, G26/73-78, G26/82-86, G26/99-107, G26/138-145, G26/149, G26/159, G26/160, G26/165, G26/166, L26/267, M26/39, M26/46, M26/78, M26/86, M26/95, M26/267-268, M26/294, M26/308, M26/326, M26/359, M26/377, M26/383, M26/405, M26/448, M26/451 M26/715, M26/81, M26/83, M26/86, M26/266, M26/267, M26/294, M26/326, M26/373, M26/379, M26/454, M26/518, M26/748, M26/800, M26/503, and M26/778 KALGOORLIE WA 6430 As defined by the Premises map in Schedule 1.

Prescribed premises category description (Schedule 1, *Environmental Protection Regulations 1987*)	Assessed production / design capacity
Category5: Processing or beneficiation of metallic or nonmetallic ore	14 500 000 tonnes per year
Category 12: Screening etc. of material	2 000 000 tonnes per year
Category 54: Sewage facility	110m^3 per day
Category 63: Class I inert landfill site	15 000 tonnes per year
Category 64: Class II putrescible landfill site	10 000 tonnes per year

This amended licence is granted to the licence holder, subject to the attached conditions, on 15 August 2025, by:

Christine Pustkuchen

Digitally signed by Christine Pustkuchen
Date: 2025.08.15 10:26:13 +08'00'

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

Licence history

Date	Reference number	Summary of changes
17/09/2015	L6420/1988/14	Licence amendment to include category 54.
05/04/2016	L6420/1988/14	Licence amendment to authorise progressive embankment raises to Fimiston II TSF and addition of category 63 to construct and operate a Class 1 inert landfill within the Fimiston Waste Rock Dump
29/04/2016	L6420/1988/14	Department initiated amendment in accordance with section 59(1)(k) of the Environmental Protection Act 1986 to amend the duration of the licence
25/11/2016	L6420/1988/14	Licence amendment to remove vegetation monitoring requirements following Licence Holder submission. Authorisation to dispose of hydrocarbon contaminated waste to Paringa TSF. Administrative changes requested by the Licence Holder and additional administrative changes made by DER.
15/12/2017	L6420/1988/14	Amendment Notice 1: an application was submitted to amend the Licence L6420/1988/14 to authorise: • Construction and operation of the Fimiston I TSF from 40m to 60 m in height; • Increase to the category 5 capacity; and • Amend the Prescribed Premises boundary to include the CSI crushing facility within the boundary.
6/07/2018	L6420/1988/14	Amendment Notice 2: On 16 March 2018, KCGM (the Licence Holder) submitted an application to increase the permitted operational height of the Fimiston II TSF, following completion of the TSF embankment construction works for cells AB, C and D to stage 1 heights, as permitted by the existing Licence L6420/1988/14, under condition 1.3.7.
4/04/2019	L6420/1988/14	Amendment Notice 3: Kalgoorlie Consolidated Gold Mines Pty Ltd submitted an application on 21 December 2018 to amend their Licence L6420/1988/14 to authorise: • Progressive embankment raises of the Kaltails TSF from 44 m to 60 m in height; and • Removal of one groundwater monitoring bore each from the required monitoring schedule for Kaltails TSF (MB K41), and for Fimiston II TSF (NTD6), due to buttress construction works impacting on these bores. It is planned to replace MB K41 with new bore MB K77. It is not planned to replace NTD6.
30/03/2020	L6420/1988/14	1. Amendment to authorise • Operation of Fimiston II TSF to stage 3 height • Changes to groundwater monitoring conditions and 2. To amalgamate/consolidate separately issued

Date	Reference number	Summary of changes
		amendment notices in the Licence
14/08/2020	L6420/1988/14	Amendment to include category 12 and category 64 to the licence and include M26/39 to the prescribed premises.
08/02/2021	L6420/1988/14	Amendment to include infrastructure constructed and commissioned under works approval W5532/2013/1 for the Fimiston Emissions Reduction Project (Retort Oven in the Gold Room, a Wet Scrubber, Regenerative Thermal Oxidiser (RTO) and Carbon Filter Beds to treat the off-gas from the Carbon Regeneration Kilns).
21/06/2022	L6420/1988/14	Amendment to authorise the upgrade and operation of the Gold Room fume extraction system.
23/10/2023	L6420/1988/14	Amendment to construct and operate Fimiston I and II TSFs at Stage 4 heights and realignment of the location of the inert landfill disposal area. Premises boundary has also been expanded to capture the waste rock dump areas where landfill disposal areas are located.
07/05/2024	L6420/1988/14	Amendment to provide approval for construction of new monitoring bores associated with the Kaltails Tailings Storage Facility and Trafalga borefield
15/08/2025	L6420/1988/14	**APP-0029372:** Amendment to construct and operate FIM II Cell E and F Stage 1 embankment raise, to operate FIM I TSF Stage 5 embankment raise and FIM II Cell E and F starter embankment, as well as modifying groundwater monitoring bore network. Licence duration extended by 5 years.

Interpretation

In this licence:

(a) the words ‘including’, ‘includes’ and ‘include’ in conditions mean “including but not limited to”, and similar, as appropriate;

(b) where any word or phrase is given a defined meaning, any other part of speech or other grammatical form of that word or phrase has a corresponding meaning;

(c) where tables are used in a condition, each row in a table constitutes a separate condition;

(d) any reference to an Australian or other standard, guideline, or code of practice in this licence:

  (i) if dated, refers to that particular version; and

  (ii) if not dated, refers to the latest version and therefore may be subject to change over time;

(e) unless specified otherwise, any reference to a section of an Act refers to that section of the EP Act; and

(f) unless specified otherwise, all definitions are in accordance with the EP Act.

NOTE: This licence requires specific conditions to be met but does not provide any implied authorisation for other emissions, discharges, or activities not specified in this licence.

Licence conditions

The licence holder must ensure that the following conditions are complied with:

Construction requirements

1. The licence holder is authorised to construct embankment raises and operate the Fimiston II TSF to the heights as listed in Table 1 and Table 2 below:

Table 1: Fimiston II TSF Cells AB, Cell C, and Cell D construction and operating elevations

Stage	TSF cell	Construction elevation (mRL)	Operating elevation (mRL)
Stage 1	AB	391.2	391.2
	C	397.8	397.8
	D	400.4	400.4
Stage 2	AB	394.2	394.2
	C	400.8	400.8
	D	403.4	403.4
Stage 3	AB	397.2	397.2
	C	403.8	403.8
	D	406.4	406.4
Stage 4	AB	400.2	400.2
	C	406.8	406.8
	D	409.4	409.4
Stage 5	AB	403.2	Not permitted at this time
	C	409.8	
	D	412.4	
Stage 6	AB	406.2	
	C	410.8	
	D	415.4	

Table 2: Fimiston II Extension TSF Cells E and F construction and operating elevations

Stage	TSF cell	Construction elevation (mRL)	Operating elevation (mRL)[1,2]
Starter embankment	E	359.5	359.5
	F	367.0	367.0
Stage 1a	E	361.0	361.0
	F	368.5	368.5
Stage 1b	E	362.5	362.5
	F	370.0	370.0

Note 1: Operation of a cell and stage may only be permitted once the Environmental Compliance Report for that cell and stage has been submitted to the CEO, in accordance with condition 38.
Note 2: Operating height must consider freeboard requirements specified in condition 9.

2. The licence holder must construct the embankment raises to the Fimiston II TSF in accordance with the documentation detailed in Table 3 and/or requirements detailed in Table 4.

Table 3: Fimiston II TSF Cells AB, C, and D construction requirements[1]

Infrastructure	Document	Parts	Date of Document
Fimiston II TSF Cells AB, C, and D (Stage 1 to Stage 6)	Ramboll Environ (2015) Fimiston II Tailings Storage Facility Height Increase – Mining Proposal	All	September 2015

Note 1: Where the details and commitments of the documents listed in Table 3 are inconsistent with any other condition of this Licence, the conditions of this licence shall prevail.

Table 4: Fimiston II Extension TSF Cells E and F construction requirements

Infrastructure	Construction requirements	Infrastructure location
Fimiston II Extension TSF Cell E embankment raise (Stage 1a)	• Embankment raise constructed in general accordance with Figure 11 and Figure 12. • Embankment raise must be constructed no higher than 1.5 m above existing embankment. • Embankment raise and decant accessway raise must be constructed such that fill is moisture conditioned to within a minimum of 2% to -4% of the optimum moisture content, placed in nominal 300 mm thick lifts and compacted to a minimum of 95% standard maximum dry density. • A floating turret system fitted with a skid-mounted surface pump must be reinstated at the location of the decant pond and connected to the return water pipeline. • A freeboard marker must be installed at 300 mm below the embankment crest. • Water truck must be utilised for dust suppression, where required.	Labelled as 'FIM II Ext TSF Cell E', as shown in Figure 2.
Fimiston II Extension TSF Cell E embankment raise (Stage 1b)		
Fimiston II Extension TSF Cell F embankment raise (Stage 1a)		Labelled as 'FIM II Ext TSF Cell F', as shown in Figure 2.
Fimiston II Extension TSF Extension TSF Cell F embankment raise (Stage 1b)		

3. The licence holder is authorised to construct embankment raises and operate the Fimiston I TSF until the end of Stage 4 to the heights as listed in Table 5 below:

Table 5: Fimiston I TSF construction and operating elevations

Stages	Construction elevation (mRL)	Operating elevation (mRL)
Stage 1	401.9	401.9
Stage 2	404.9	404.9
Stage 3	407.9	407.9
Stage 4	410.9	410.9
Stage 5	413.9	413.9
Stage 6	416.9	Not permitted at this time

Stages	Construction elevation (mRL)	Operating elevation (mRL)
Stage 7	418.9	

4. The licence holder must ensure that the embankment raises' infrastructure and associated pipeline infrastructure specified in column 1 of Table 6 is constructed in accordance with the requirements specified in column 2 of Table 6.

Table 6: Construction of Fimiston I TSF embankment raises

Column 1	Column 2
Infrastructure	**Requirements**
Fimiston I TSF perimeter tailings delivery and water return pipelines	• Remove tailings delivery and return water pipelines before construction of each embankment raise and reinstate on the completion of each raise, with locations indicated in Figure 3.
Upstream perimeter embankment raise	• In accordance with the Fimiston Mill Tailings Operating Manual (Golder 2013, and subsequent revisions). • Construction to be supervised by an engineering or geotechnical specialist.
Decant tower and access causeway	• Raise the decant tower and causeway for each embankment.
Areas subject to construction activities	• Control dust by using water carts to wet down work areas

5. The licence holder is authorised to construct embankment raises and operate the Kaltails TSF to the heights as listed in Table 7 below:

Table 7: Kaltails TSF construction and operating elevations

Stages	TSF Cell	Construction elevation (mRL)	Operating elevation (mRL)
Stage 1	West	376.5	376.5
	East	379.0	379.0
Stage 2	West	379.5	379.5
	East	382.0	382.0
Stage 3	West	382.5	382.5
	East	385.0	385.0
Stage 4	West	385.5	385.5
	East	388.0	388.0
Stage 5	West	388.5	388.5
	East	391.0	391.0
Stage 6	West	392.5	392.5
	East	395.0	395.0

6. The licence holder must ensure that the embankment raises' infrastructure specified in column 1 of Table 8 is constructed in accordance with the requirements specified in column 2 of Table 8.

Table 8: Construction of Kaltails TSF embankment raises

Column 1	Column 2
Infrastructure	**Requirements**
Upstream perimeter embankment raises	• In accordance with the Fimiston Mill Tailings Operating Manual (Golder 2013, and subsequent revisions). Typical embankment section as per Figure 10 (Golder 2018 Figure F004) below. • Construction to be supervised by an engineering or geotechnical specialist.
Decant tower and access causeway	• Relocate the decant tower and causeway. Typical decant causeway raise section as shown in Figure 10 (Golder 2018 Figure F004) below.
Areas subject to construction activities	• Control dust by using water carts to wet down work areas.

Infrastructure and equipment

7. The licence holder must ensure that waste material is only stored and/or treated within containment infrastructure detailed in Table 9.

Table 9: Infrastructure and equipment requirements

Containment infrastructure	Material accepted	Requirements	Containment infrastructure location
Fimiston I TSF	Tailings from the Fimiston processing plant, including: • Leached flotation tails; and • Leached flotation concentrate (from ultrafine grinding process) at no more than 3% of the total tailings throughput.	Sand / Clay base	As shown in Figure 2.
Fimiston II TSF (Cells AB, C, D)		Sand / Clay base	
Fimiston II Extension TSF (Cells E, F)		Sand / Clay base	
Kaltails TSF (East, West)		Sand / Clay base	
All saline water dams	Saline water	HDPE lined	
Paringa Facility	Discharge of treated effluent from the Fimiston wastewater treatment plant	Consolidated tailings	
	Hydrocarbon contaminated sediment and/or waste rock		
Return water dams located at Kaltails and Fimiston	Any substance containing saline, alkaline or cyanide constituents resulting from activities on the premises.	HDPE lined	
Retort room liquid mercury store	Elemental mercury	Bunding in accordance with	

Mercury storage facility	Elemental mercury, mercury-laden carbon, other mercury contaminated wastes	AS3780.	

8. The licence holder must ensure that all pipelines containing environmentally hazardous substances are either:

(a) equipped with telemetry system and pressure sensors along pipelines to allow the detection of leaks and failures; or

(b) equipped with automatic cut-outs in the event of a pipe failure; or

(c) provided with secondary containment sufficient to contain any spill for a period equal to the time between routine inspections.

9. The licence holder must maintain a minimum top of embankment freeboard of 300 mm in all TSFs on the premises.

10. The licence holder must:

(a) undertake inspections as detailed in Table 10;

(b) where any inspection identifies that an appropriate level of environmental protection is not being maintained, take corrective action to mitigate adverse environmental consequences as soon as practicable; and

(c) maintain a record of all inspections undertaken.

Table 10: Inspection of infrastructure

Scope of inspection	Type of inspection	Frequency of inspection[1]
Tailings delivery lines	Visual integrity	Daily
Return water lines		
Tailings deposition	Visual	
Ponding on the surface of the TSF	Visual to confirm size and location of the pond	
Internal embankment freeboard	Visual to confirm required freeboard capacity is available	
External wall of the TSF	Visual integrity	

Note 1: If circumstances at the scheduled time of inspection are identified as immediately hazardous to personnel the inspection should be undertaken as soon as practicable and the reason(s) recorded.

Emissions and discharges

11. The licence holder must record and investigate the exceedance of any descriptive or numerical limit specified in this Licence.

12. The licence holder must ensure that where waste is emitted to air from the emission points in Table 11 and identified on the map of emission points in Schedule 1, it is done so in accordance with the conditions of this Licence.

Table 11: Emission points to air

Emission point reference	Emission point	Emission point height (m)	Source, including any abatement	Emission point location
A1	Kiln off-gas cleaning circuit- Final Stack	20.6	Source: Carbon regeneration kilns 3, 4 and 5 Abatement system: Kiln off-gas cleaning circuit (wet scrubber, RTO, carbon filter bed)	As shown in Figure 5.
A2	New Permanent Emissions Stack	15.3m from ground level at the base of the Gold Room for the dispersion of emissions.	Source: Gold Room furnace, cascade, and mixing area • Abatement system: Venturi scrubber system and stack.	

13. The licence holder must immediately recover or remove and dispose of spills of environmentally hazardous materials which occur outside an engineered containment system.

14. The licence holder must ensure that where wastes produced on the licence holder's prescribed premises are not taken offsite for lawful use or disposal, they are managed in accordance with the requirements in Table 12.

Table 12: Management of waste

Waste type	Management strategy	Requirements

Inert Waste Type 1	Receipt, handling and disposal of waste by landfilling	<u>All waste types</u>
		• No more than 25 000 tonnes per year of all waste types cumulatively shall be disposed of by landfilling, including a maximum of 10 000 tonnes of putrescible material.
		• Disposal of waste by landfilling shall only take place within the landfill areas, as shown in Figure 9.
		• Waste shall be placed in a defined trench or within an area defined by earthen bunds; and
		• The active tipping area shall be restricted to a maximum linear length of 30 metres.
		• Construction, operation and decommissioning of landfill cells can occur within the defined landfill area providing there is no waste within:
		  ○ 100 m of any surface water body; and
		  ○ 3 m of the highest level of the water table aquifer.

Inert Waste Type 2		
Clean Fill		
Putrescible material – mineral samples and associated packaging/pallets only		

Waste type	Management strategy	Requirements
Hydrocarbon contaminated waste (sediment and waste rock)	Disposal to designated bunded zones (A and B) on Paringa TSF, as shown in Figure 4.	• No more than 8 000 tonnes per year; and • Disposal areas (zones) to be fully bunded to contain incident rainfall.

15. The licence holder must ensure that cover is applied and maintained on landfilled wastes in accordance with Table 13 and that sufficient stockpiles of cover are maintained on site at all times.

Table 13: Cover requirements

Waste Type	Material	Depth	Timescales
All waste[1]	Inert and incombustible material	1000mm	Within three months of the final waste load in each defined bay.

Note 1:Additional requirements for final cover of tyres are set out in Part 6 of the *Environmental Protection Regulations 1987.*

16. The licence holder must implement security measures at the landfill area to prevent unauthorised access to the site.

17. The licence holder must take measures to ensure that no windblown waste escapes from the landfill area and that windblown waste is collected on at least a monthly basis and returned to the active tipping area.

Monitoring

18. The licence holder must ensure that:

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

19. The licence holder must ensure that:

(a) monthly monitoring is undertaken at least 15 days apart;
(b) quarterly monitoring is undertaken at least 45 days apart;
(c) six monthly monitoring is undertaken at least 5 months apart; and
(d) annual monitoring is undertaken at least 9 months apart.

20. The licence holder must record production or throughput data and any other process parameters relevant to any non-continuous or continuous emissions monitoring system (CEMS) undertaken.

21. The licence holder must ensure that all monitoring equipment used on the premises to comply with the conditions of this Licence is calibrated in accordance with the manufacturer's specifications or any relevant and effective internal management

system.

22. The licence holder must, where the requirements for calibration cannot be practicably met, or a discrepancy exists in the interpretation of the requirements, bring these issues to the attention of the CEO accompanied with a report comprising details of any modifications to the methods.

23. The licence holder must undertake the monitoring in Table 14 according to the specifications in that table.

Table 14: Monitoring of inputs and outputs

Input/Output	Parameter	Units	Averaging period	Frequency
Wastewater discharge from Wastewater Treatment Plant, as shown in Figure 6.	5-day Biochemical Oxygen Demand	mg/L	Spot sample	Quarterly
	Total Suspended Solids	mg/L		
	pH[1]	-		
	Total Nitrogen	mg/L		
	Total Phosphorus	mg/L		
	E. coli	cfu/100mL		

Note 1: In field non- NATA accredited analysis permitted.

24. The licence holder must undertake the monitoring specified in Table 15 according to the specifications in that table and record and investigate results that do not meet any limit specified.

Table 15: Monitoring of ambient groundwater quality

Monitoring point reference for compliance bores[2,4]	Parameter	Limit	Units	Averaging period	Frequency
Eastern Borefield Compliance Monitoring Bores	SWL	>4	mbgl	Spot sample	Quarterly
Kaltails Zone A Compliance Monitoring Bores	SWL	>4	mbgl		Quarterly
Kaltails Zone B Compliance Monitoring Bores	SWL	>1	mbgl		Quarterly
Monitoring point reference for all monitoring sites [3,4]	**Parameter**	**Limit**	**Units**	**Averaging period**	**Frequency**
Eastern Borefield Dams and Trenches	EC[5]	-	mS/cm	Spot sample	Quarterly
	pH[5]	-	-		Quarterly

	TDS, CN-FREE, WADCN, CN-TOTAL	-	mg/L		Annually
Kaltails Dams and Trenches	pH[5]	-	-		Quarterly
	EC[5]	-	mS/cm		Quarterly
	TDS, CN-FREE, WADCN, CN-TOTAL	-	mg/L		Annually
Eastern Borefield Monitoring Bores	pH[5], EC[5] (mS/cm), TDS, CN-FREE, WADCN, CN-TOTAL	-	Refer to Note 1		Quarterly
Kaltails TSF Monitoring Bores	pH[5], EC[5] (mS/cm), TDS, CN-FREE, WADCN, CN-TOTAL	-	Refer to Note 1		Quarterly

Note 1: Units are mg/L apart from pH and unless otherwise stated
Note 2: As listed in Table 22 of Schedule 3: TSF groundwater monitoring bores.
Note 3: As listed in Table 23 Schedule 3: TSF groundwater monitoring bores.
Note 4: Location of monitoring sites are shown in Figure 7 and Figure 8.
Note 5: In-field non-NATA accredited analysis permitted.

25. The licence holder must undertake a monthly water balance for each active TSF, which must, as a minimum, consider the following:

(a) site rainfall;

(b) volume of tailings deposited;

(c) estimated volume of water deposited (as part of tailings slurry);

(d) evaporation rate;

(e) volume of decant water abstracted;

(f) estimated volume of interstitial water remaining within tailings mass;

(g) volume of water collected via underdrainage system, seepage interception trench, toe drains, and/or any other seepage management infrastructure; and

(h) estimated volume of seepage, derived as the residual between the sum of all water input and the sum of all water output at a TSF.

Specified actions

26. The licence holder must implement the FSGMP and the KSGMP. The FSGMP and the KSGMP may be amended on approval from the CEO to improve management of seepage from KCGM's TSFs. In circumstances where the details and commitments in the FSGMP and/or the KSGMP are inconsistent with conditions of this Licence, the conditions of this Licence shall prevail.

27. The licence holder must employ a suitably qualified professional to conduct an audit of the FSGMP and the KSGMP each year. The audit shall include but not be limited to:

(a) the licence holder's progress towards existing targets and milestones;

(b) whether the objectives in the FSGMP and the KSGMP are being achieved and are still appropriate; and

(c) a statement of the independence of the auditor, including experience and qualifications.

28. The licence holder must take the relevant management action in the case of an event in Table 16.

Table 16: Management actions

Emission Point reference for compliance bores[1]	Event/ action reference	Event	Management action
Eastern Borefield Compliance Monitoring Bores	EA1	Groundwater level <4 mbgl	Increase pumping capacity within 6 months
		Groundwater level >4 mbgl and <6 mbgl	Review the potential cause of the change in groundwater and increase pumping capacity within 9 months if cause is directly associated with seepage
Kaltails Zone A Compliance Monitoring Bores	EA2	Groundwater level <4 mbgl	Increase pumping capacity within 6 months
		Groundwater level >4 mbgl and <6 mbgl	Review the potential cause of the change in groundwater and increase pumping capacity within 9 months if cause is directly associated with seepage
Kaltails Zone B Compliance Monitoring Bores	EA3	Groundwater level <1 mbgl	Increase pumping capacity within 6 months
		Groundwater level >1 mbgl and <2 mbgl	Review the potential cause of the change in groundwater and increase pumping capacity within 9 months if cause is directly associated with seepage

Note 1: As listed in Table 22 of Schedule 3: TSF groundwater monitoring bores.

29. The licence holder must, when advised by the CEO, take measures to further reduce groundwater levels to protect native vegetation.

30. The licence holder must collect representative samples to investigate the behaviour and characteristics of the sample in accordance with the requirements and method for the parameters specified in Table 17 within the timeframe specified in Table 17.

Table 17: Sample characterisation requirements

Sample type	Requirements	Parameter	Method	Timeframe
Blended tailings slurry comprising leached flotation tails and leached flotation concentrate (from ultrafine grinding).	• Tailings samples must be representative and collected from blended tailings stream, where tailings from the leached flotation concentrate (ultrafine grinding process) have been included in the tailings stream. • At least three sub-samples must be collected within an operational 24-hour period to obtain a representative composite sample. • At least three representative samples must be collected, leached, and analysed for the corresponding parameters. • Tailings samples must only be collected once the blended tailings stream is operating at steady state. • The proportion of leached flotation concentrate (ultrafine grinding process) within the blended tailings stream must be estimated and recorded at the time of sampling.	1. pH 2. Electrical conductivity 3. Total dissolved solids 4. Total acidity 5. Total alkalinity 6. Calcium 7. Magnesium 8. Sodium 9. Potassium 10. Chloride 11. Fluoride 12. Sulfate 13. Sulfur 14. Silicon 15. Aluminium[1] 16. Antimony[1] 17. Arsenic[1] 18. Beryllium[1] 19. Barium[1] 20. Cadmium[1] 21. Chromium[1] 22. Cobalt[1] 23. Copper[1] 24. Lead[1] 25. Lithium[1] 26. Manganese[1] 27. Molybdenum[1] 28. Nickel[1] 29. Selenium[1] 30. Silver[1] 31. Strontium[1] 32. Thallium[1] 33. Thorium[1] 34. Tin[1] 35. Uranium[1] 36. Vanadium[1] 37. Zinc[1] 38. Boron[1] 39. Iron[1]	US EPA LEAF Method 1313	Within 12 months from the deposition of blended tailings into any TSFs at the premises.
Tailings supernatant from decant pond actively receiving blended tailings slurry comprising leached flotation tails and leached flotation concentrate (ultrafine grinding process).	• At least five samples must be collected. • Samples must be collected monthly.[3] • Tailings supernatant samples must only be collected once the blended tailings stream is operating at steady state.		None specified. Requirements of condition 18 applies.	

Note 1: Parameter must be analysed for total and dissolved concentrations.
Note 2: Sample collection from return water pipeline is permitted if sample collection at decant pond is deemed unsafe.
Note 3: Sample collection over non-consecutive months is permitted.

Records and reporting

31. The licence holder must record the following information in relation to complaints received by the licence holder (whether received directly from a complainant or forwarded to them by the Department or another party) about any alleged emissions from the premises:

(a) the name and contact details of the complainant, (if provided);

(b) the time and date of the complaint;

(c) the complete details of the complaint and any other concerns or other issues raised; and

(d) the complete details and dates of any action taken by the licence holder to investigate or respond to any complaint.

32. The licence holder must:

(a) undertake an audit of their compliance with the conditions of this licence during the preceding annual period; and

(b) prepare and submit to the CEO by 31 March after the end of that annual period an Annual Audit Compliance Report in the approved form.

33. The licence holder must maintain accurate and auditable books including the following records, information, reports, and data required by this licence:

(a) the calculation of fees payable in respect of this licence;

(b) the works conducted in accordance with condition 1, 2, 3, 4, 5 and 6 of this licence;

(c) any maintenance of infrastructure that is performed in the course of complying with condition 9 and 10 of this licence;

(d) monitoring programmes undertaken in accordance with conditions 20 through to 26 of this licence; and

(e) complaints received under condition 32 of this licence.

34. The books specified under condition 33 must:

(a) be legible;

(b) if amended, be amended in such a way that the original version(s) and any subsequent amendments remain legible and are capable of retrieval;

(c) be retained by the licence holder for the duration of the licence; and

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

35. The licence holder must ensure that:

(a) any person left in charge of the Premises is aware of the conditions of the Licence and has access at all times to the licence or copies thereof; and

(b) any person who performs tasks on the premises is informed of all of the conditions of the Licence that relate to the tasks which that person is performing.

36. The licence holder must submit to the CEO an Annual Environmental Report by 31 March after the end of the annual period. The report shall contain the information listed in Table 18 in the format or form specified in that table.

Table 18: Annual environmental report

Condition or table (if relevant)	Parameter	Format or form
---	Any failure or malfunction of any pollution control equipment or any incident, which has caused, is causing or may cause pollution.	None specified
---	Production throughputs for the annual period for each Premises category (category 5, 12, 54 and 64)	None specified
27	Audit Report of FSGMP and KSGMP	None specified
23, 24, 28	Summary of quarterly monitoring data results including key findings and proposed remedial actions as required.	None specified
25	Summary of water balance monitoring data results, including key findings.	None specified
30	Summary of tailings and decant water investigation.	None specified
32	Compliance	AACR
31	Complaints summary	None specified

37. The licence holder must submit the information in Table 19 to the CEO according to the specifications in that table.

Table 19: Non-annual reporting requirements

Condition or table (if relevant)	Parameter	Reporting period	Reporting date (after end of the reporting period)	Format or form
24	Groundwater monitoring results	Quarterly	46 calendar days	None specified

38. The licence holder must within 90 calendar days of embankment raise stage required by condition 1, condition 3, and condition 5 being constructed:

(a) undertake an audit of their compliance with the relevant requirements of condition 2, condition 4, or condition 6; and

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

39. The Environmental Compliance Report required by condition 38 must include, as a minimum, the following:

(a) certification by a suitably qualified engineer that the embankment raise stage, as specified in condition 1, condition 3 and condition 5, have been constructed in accordance with the relevant requirements specified in condition 2, condition 4, and condition 6;

(b) as-constructed plans and a detailed site plan for the relevant embankment raise stage specified in condition 1, condition 3, and condition 5; and

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

40. The Licence Holder must ensure that the parameters listed in Table 20 are notified to the CEO in accordance with the notification requirements of the table.

Table 20: Notification requirements

Condition or table (if relevant)	Parameter	Notification requirement[1]	Format or form[2]
24	Breach of any limit specified in the Licence	Part A: In writing within 24 hours of becoming aware of any exceedances. Part B: Within 7 days of becoming aware of the exceedance.	N1
22	Calibration report	As soon as practicable.	None specified

Note 1: Notification requirements in the Licence shall not negate the requirement to comply with s72 of the Act
Note 2: Forms are in Schedule 4

Definitions

In this licence, the terms in Table 21 have the meanings defined.

Table 21: Definitions

Term	Definition
ACN	Australian Company Number
Annual Audit Compliance Report (AACR)	means a report submitted in a format approved by the CEO (relevant guidelines and templates may be available on the Department's website)
annual period	a 12-month period commencing from 1 January until 31 December in the same year
AS 3780	means the *Australian Standard 3780 The Storage and Handling of Corrosive Substances*.
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/NZS 5667.11	means the *Australian Standard AS/NZS 5667.11 Water Quality – Sampling – Guidance on sampling of groundwaters*
averaging period	means the time over which a limit is measured or a monitoring result is obtained
books	has the same meaning given to that term under the EP Act.
CEO	means Chief Executive Officer of the Department. "submit to / notify the CEO" (or similar), means either: Director General Department administering the *Environmental Protection Act 1986* Locked Bag 10 Joondalup DC WA 6919 or: info@dwer.wa.gov.au
Clean Fill	has the meaning defined in Landfill Definitions
CN-FREE	means free cyanide
CN-TOTAL	means total cyanide
compliance bores	means those monitoring bores listed in Schedule 1 Table 1 and at the locations depicted in Maps of monitoring locations 2 - 4
Department	means the department established under section 35 of the *Public Sector Management Act 1994* (WA) and designated as responsible for the administration of the EP Act, which includes Part V Division 3

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
environmentally hazardous material	means material (either solid or liquid raw materials, materials in the process of manufacture, manufactured products, products used in the manufacturing process, by-products and waste) which if discharged into the environment from or within the premises may cause pollution or environmental harm
Eastern Borefield	means the bore network that is constructed around Fimiston I and Fimiston II tailings storage facilities and comprises all of the Production and Monitoring Bores
EC	means electrical conductivity
EP Act	*Environmental Protection Act 1986* (WA)
EP Regulations	*Environmental Protection Regulations 1987* (WA)
Fim I TSF	means Fimiston I Tailings Storage Facility
Fim II TSF	means Fimiston II Tailings Storage Facility
freeboard	means the distance between the maximum water surface elevations and the top of retaining banks or structures at their lowest point
FSGMP	means the document “Kalgoorlie Consolidated Gold Mines Fimiston Seepage and Groundwater Management Plan” dated June 2020, as submitted to the CEO and including annual revisions of that document approved by the CEO
Inert Waste Type 1	has the meaning defined in Landfill Definitions
Inert Waste Type 2	has the meaning defined in Landfill Definitions
KSGMP	means the document “Kalgoorlie Consolidated Gold Mines Kaltails Seepage and Groundwater Management Plan” dated June 2020, as submitted to the CEO and including annual revisions of that document approved by the CEO
Landfill Definitions	means the document titled “Landfill Waste Classification and Waste Definition 1996” published by the Chief Executive Officer of the Department of Environment as amended from time to time
licence	refers to this document, which evidences the grant of a licence by the CEO under section 57 of the EP Act, subject to the specified conditions contained within
licence holder	refers to the occupier of the premises, being the person specified on the front of the licence as the person to whom this licence has been granted

m^3	means cubic metres
mbgl	means metres below ground level
MOL	means maximum operating level
Mtpa	means million tonnes per annum
NATA	means the National Association of Testing Authorities, Australia
NATA accredited	means in relation to the analysis of a sample that the laboratory is NATA accredited for the specified analysis at the time of the analysis
NEPM	means National Environmental Protection Measures
premises	refers to the premises to which this licence applies, as specified at the front of this licence and as shown on the premises map in Schedule 1 to this licence
prescribed premises	has the same meaning given to that term under the EP Act.
Putrescible waste	has the meaning defined in Landfill Definitions
quarterly	means the 4 inclusive periods from 1 January to 31 March, 1 April to 30 June, 1 July to 30 September, 1 October to 31 December in the same year
spot sample	means a discrete sample representative at the time and place at which the sample is taken
SWL	means standing water level
US EPA LEAF Method 1313	means the *SW-846 Test Method 1313: Liquid-Solid Partitioning as a Function of Extract pH Using A Parallel Batch Extraction Procedure.*
usual working day	means 0800 – 1700 hours, Monday to Friday excluding public holidays in Western Australia
TDS	means total dissolved solids
TSF	means tailings storage facility
WADCN	means weak acid dissociable cyanide
waste	has the same meaning given to that term under the EP Act

END OF CONDITIONS

Schedule 1: Maps

Premises map

The premises is shown in the map below. The red line depicts the premises boundary.

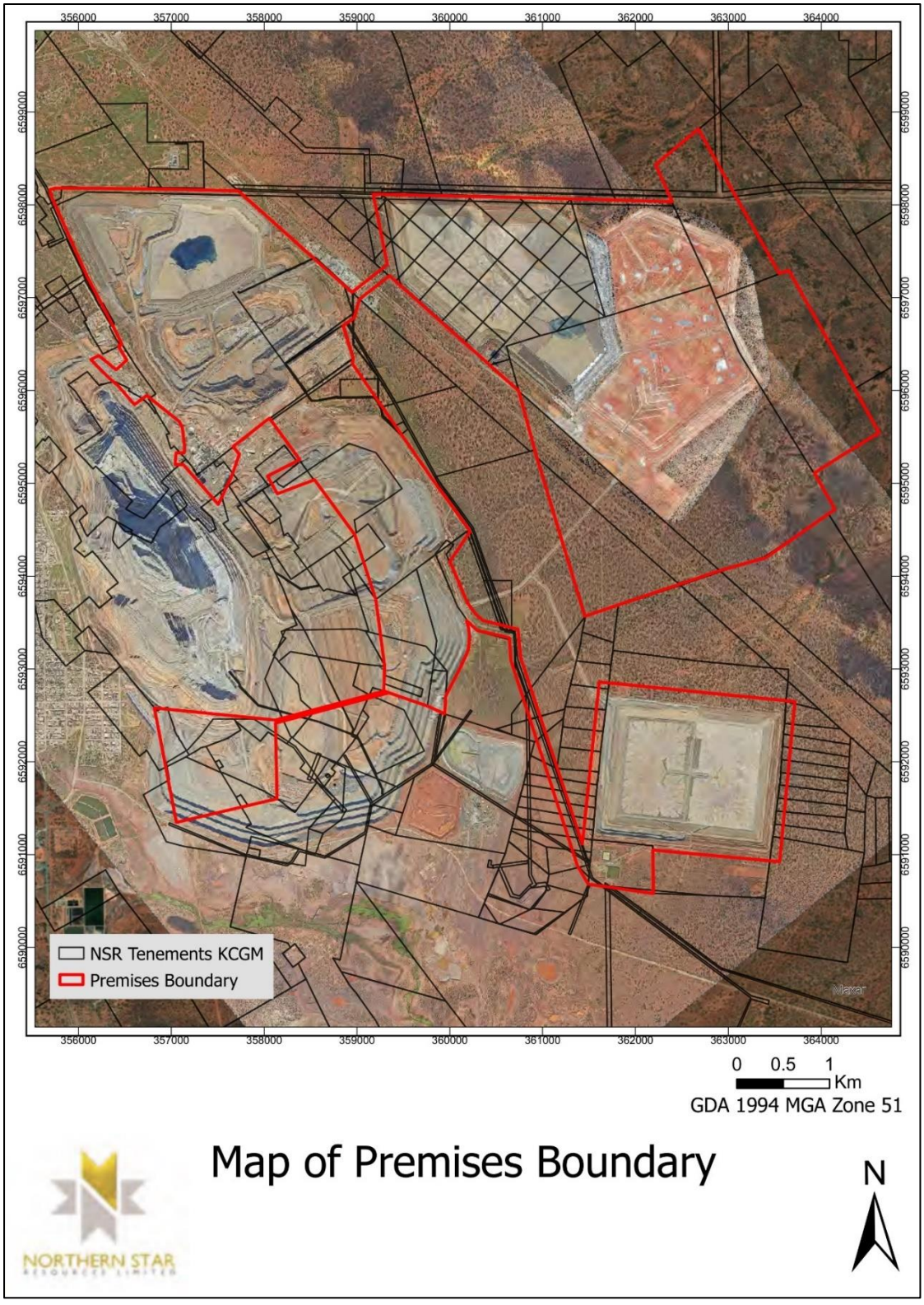

Figure 1: Map of the boundary of the prescribed premises

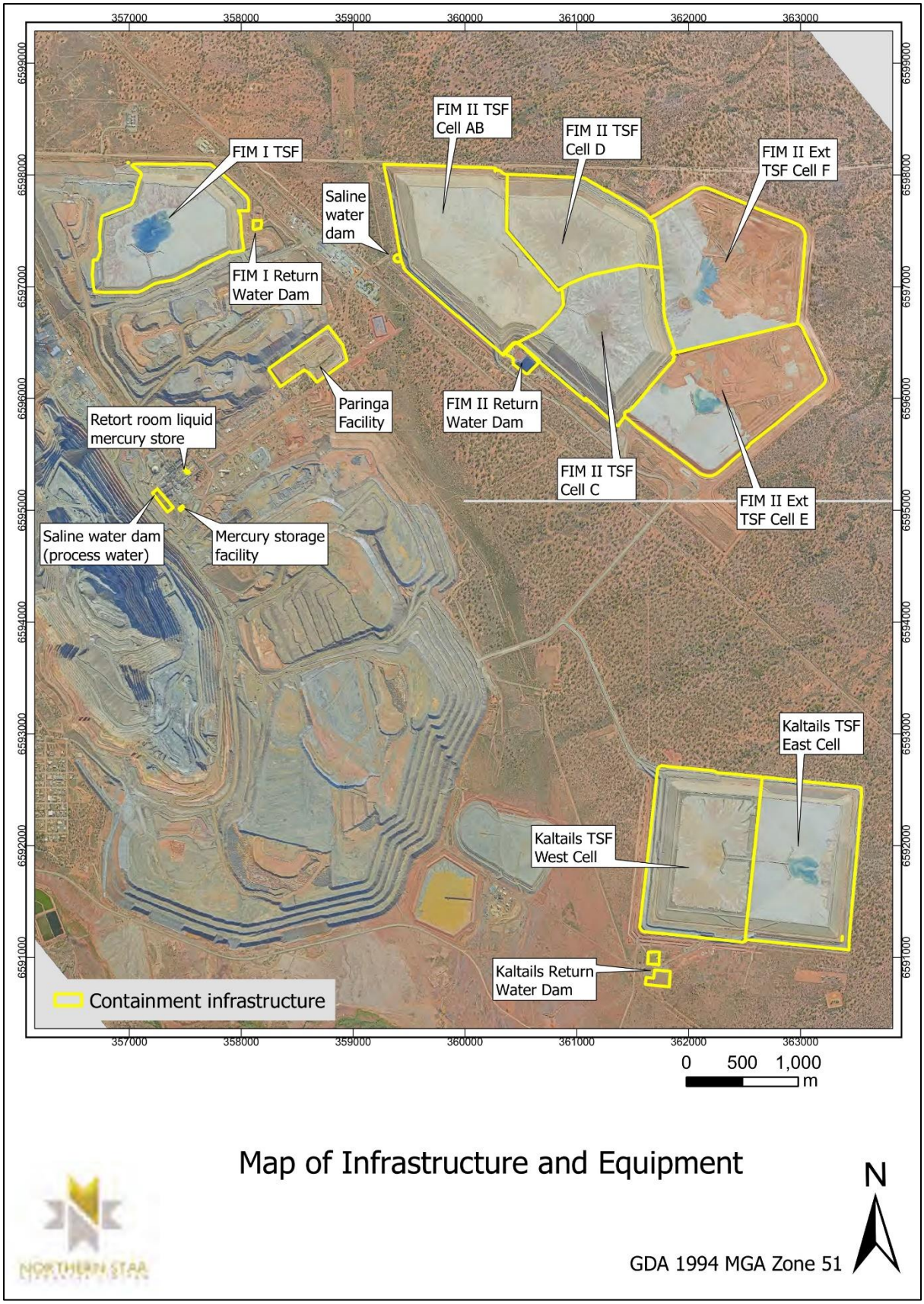

Figure 2: Containment infrastructure

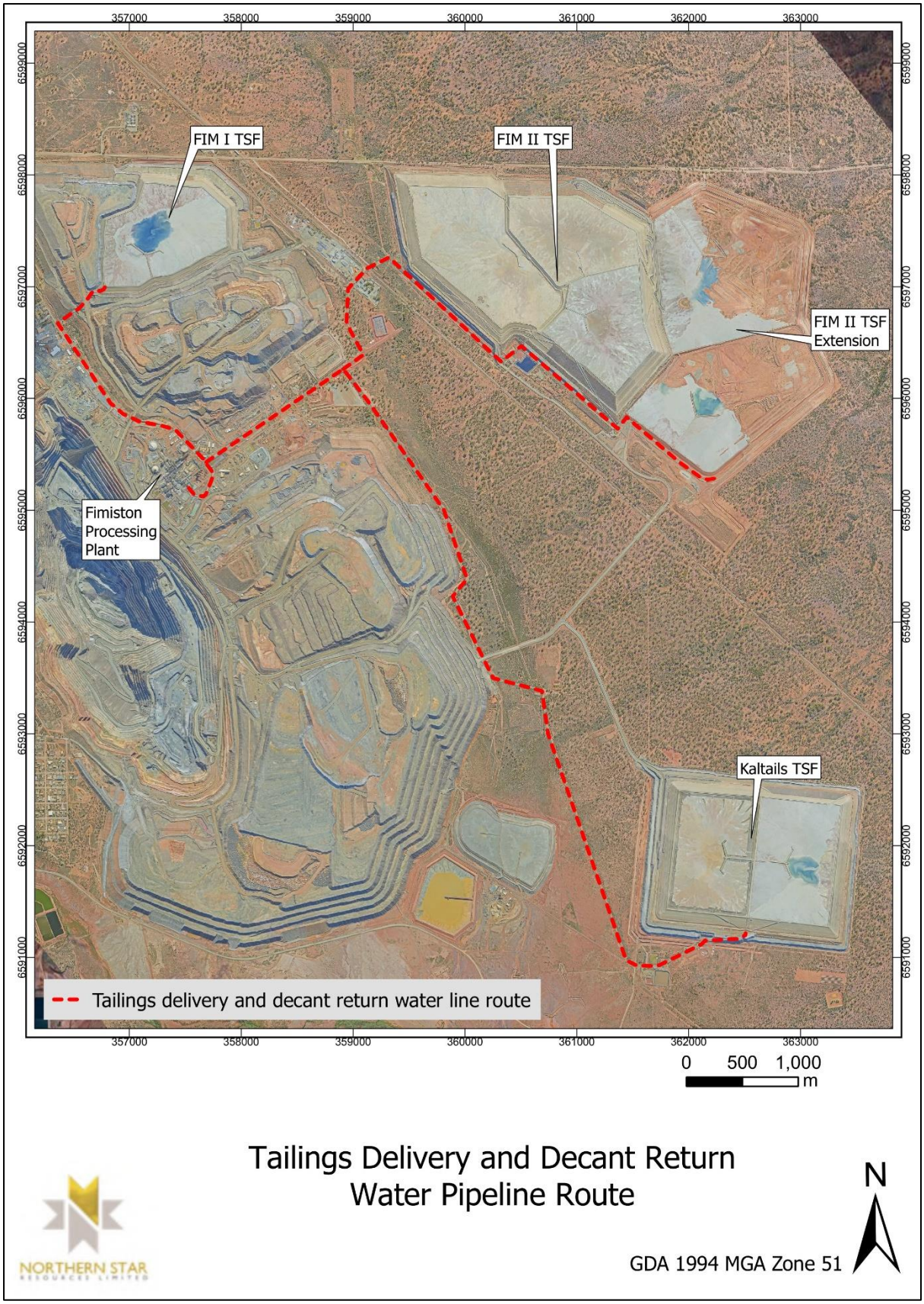

Figure 3: Tailings delivery and decant return water pipeline route

Figure 4: Location of Paringa facility

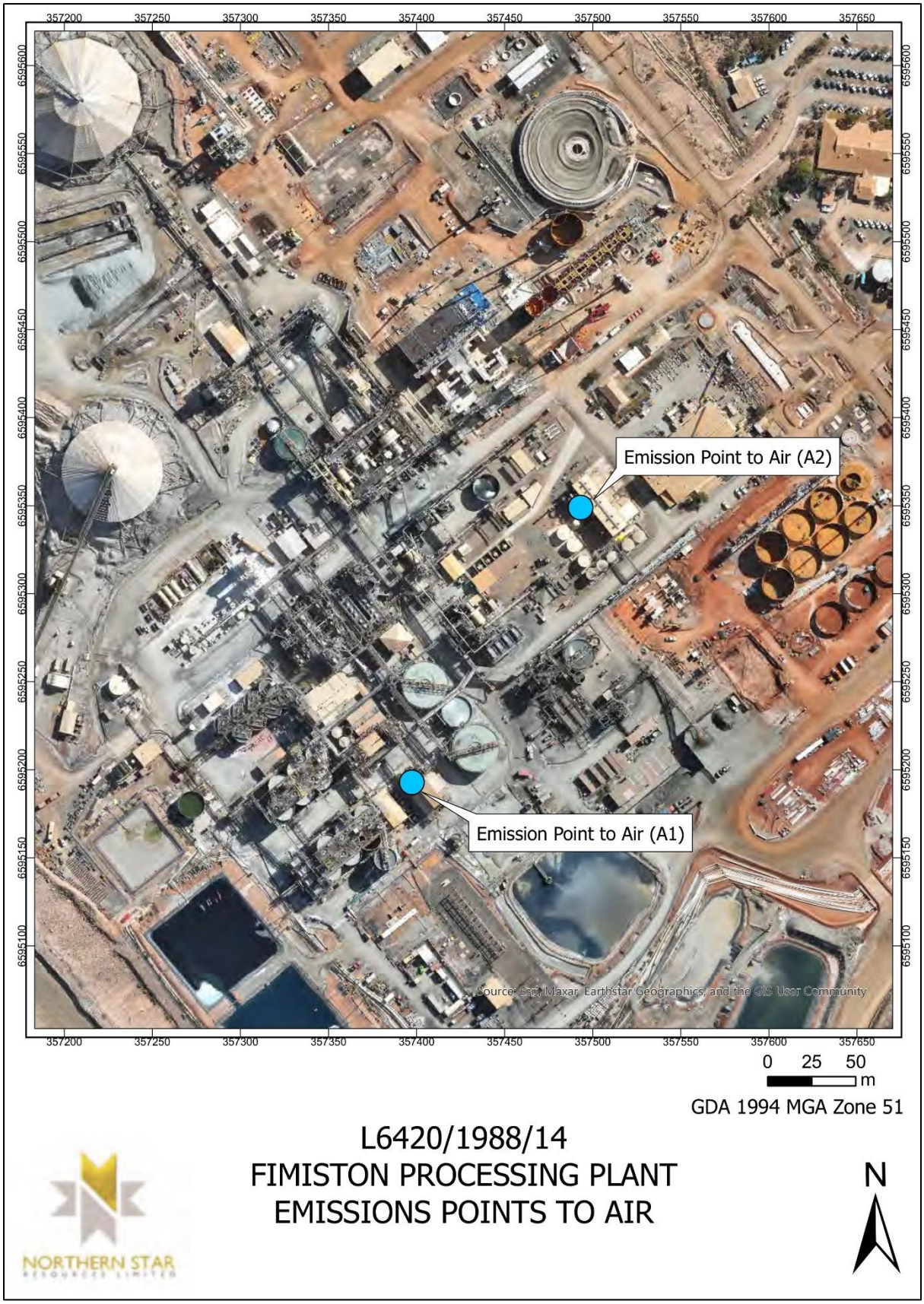

Figure 5: Authorised air emission points

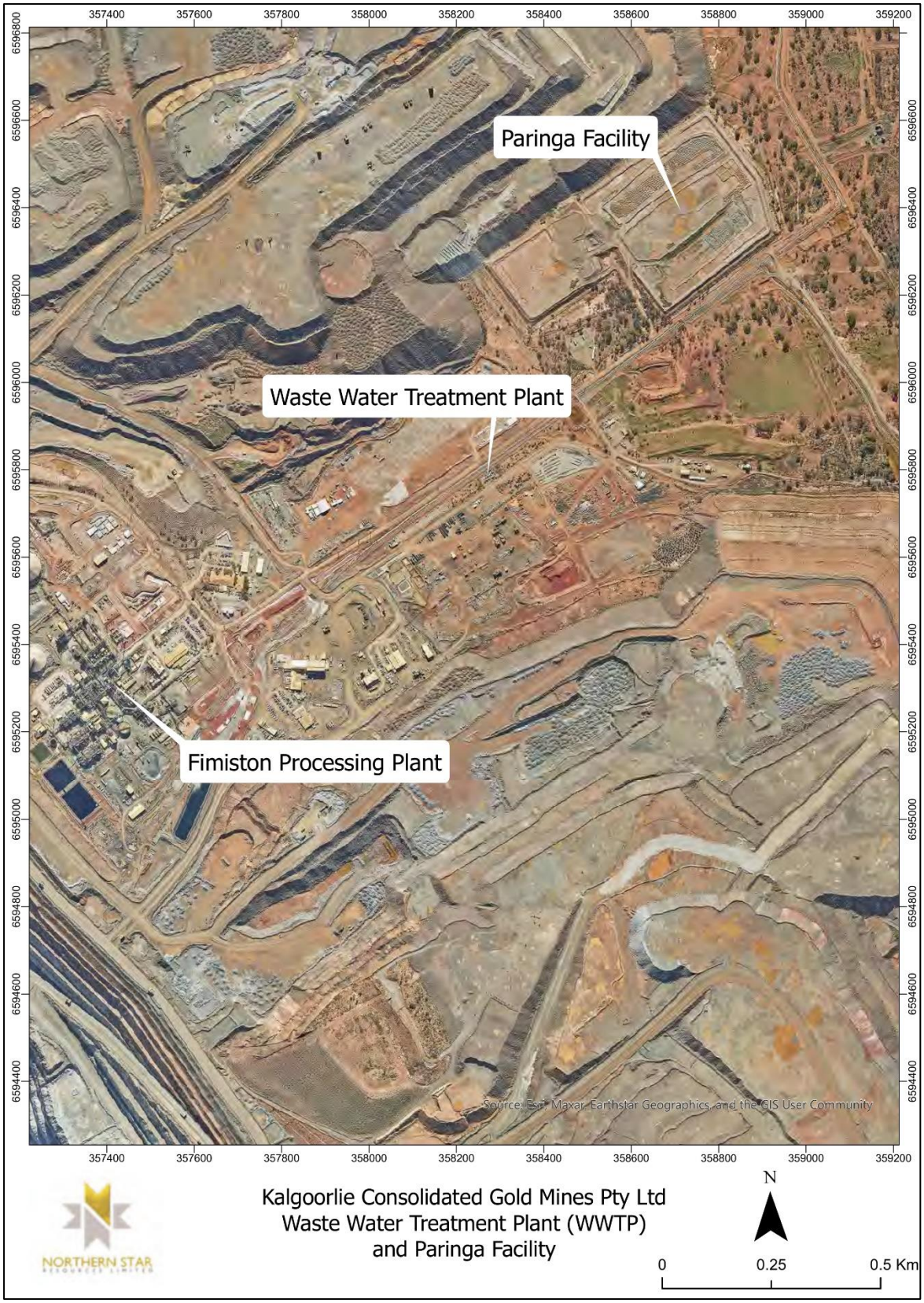

Figure 6: Process monitoring locations

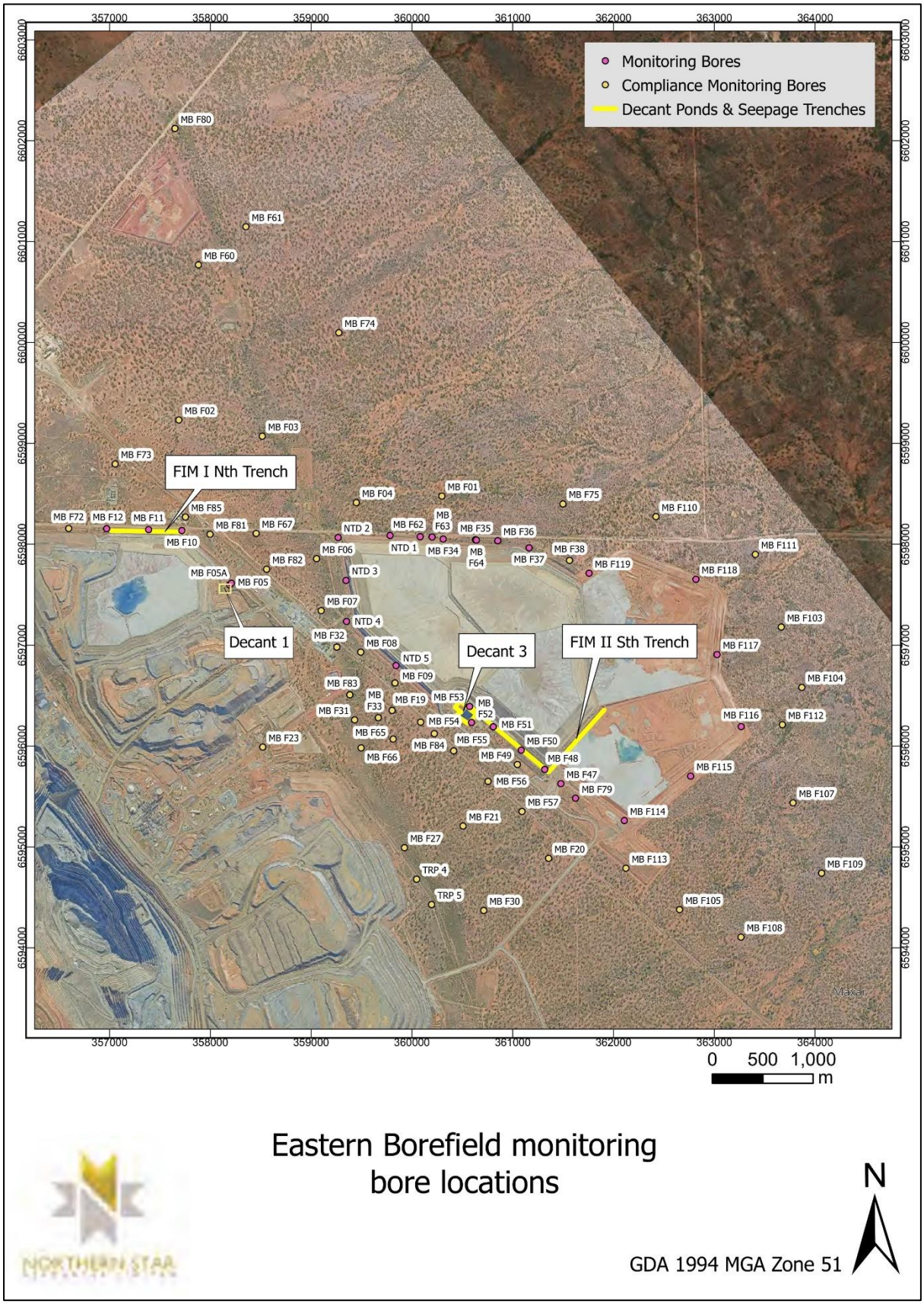

Figure 7: Fimiston I and Fimiston II TSF groundwater monitoring locations

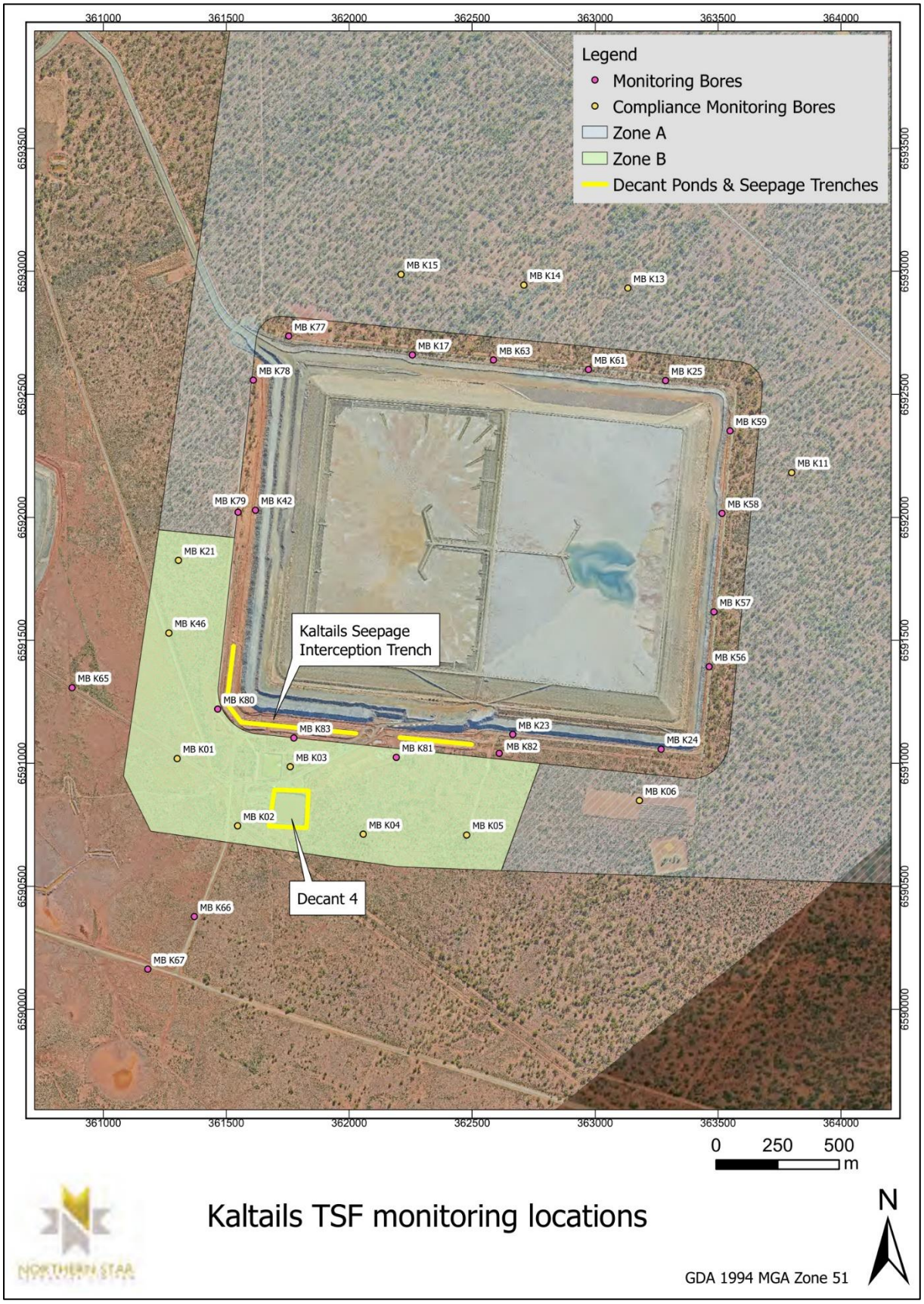

Figure 8: Kaltails TSF groundwater monitoring locations

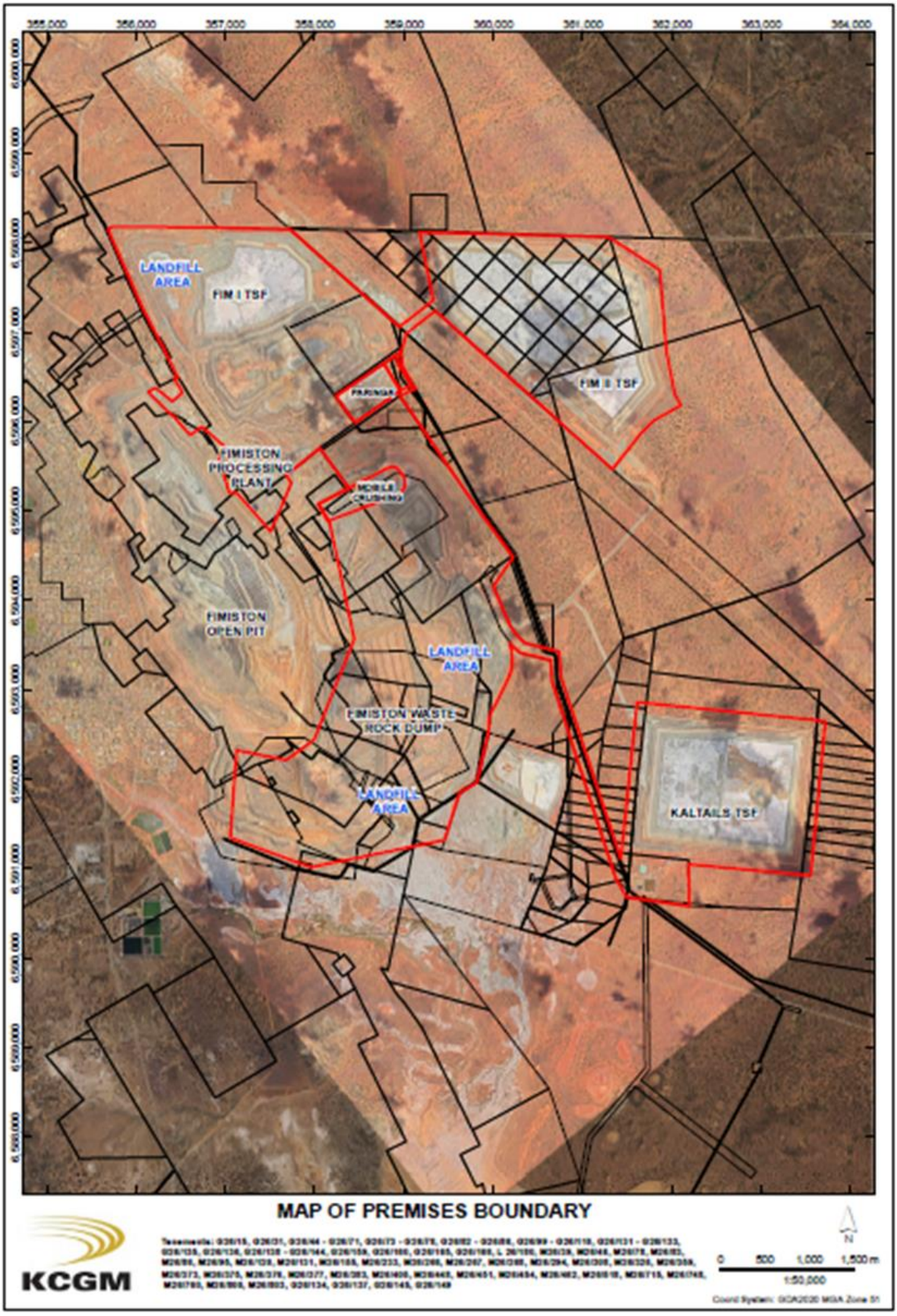

Figure 9: Landfill area extent

Schedule 2: Construction drawings

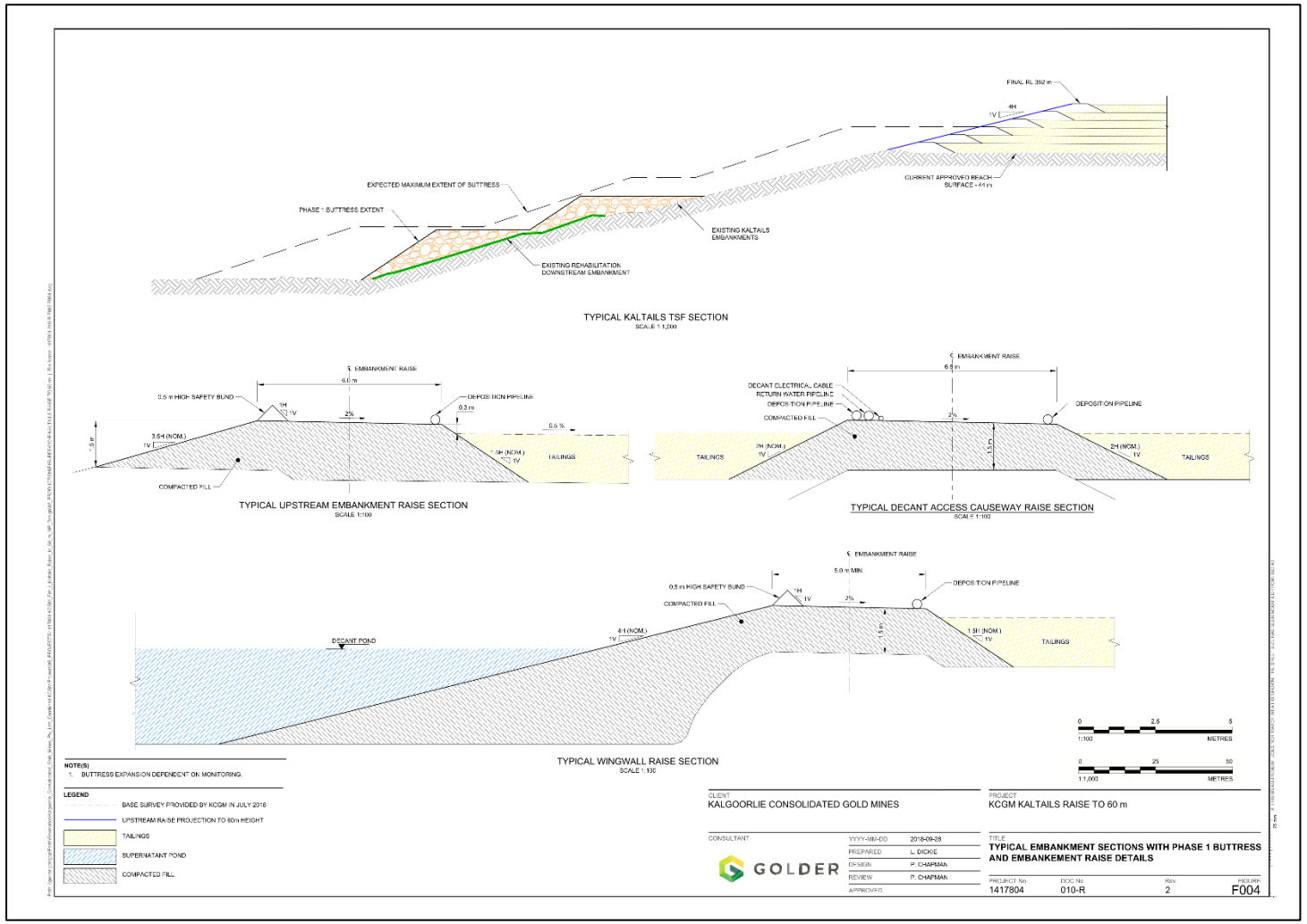

Figure 10: Kaltails TSF typical embankment raise details

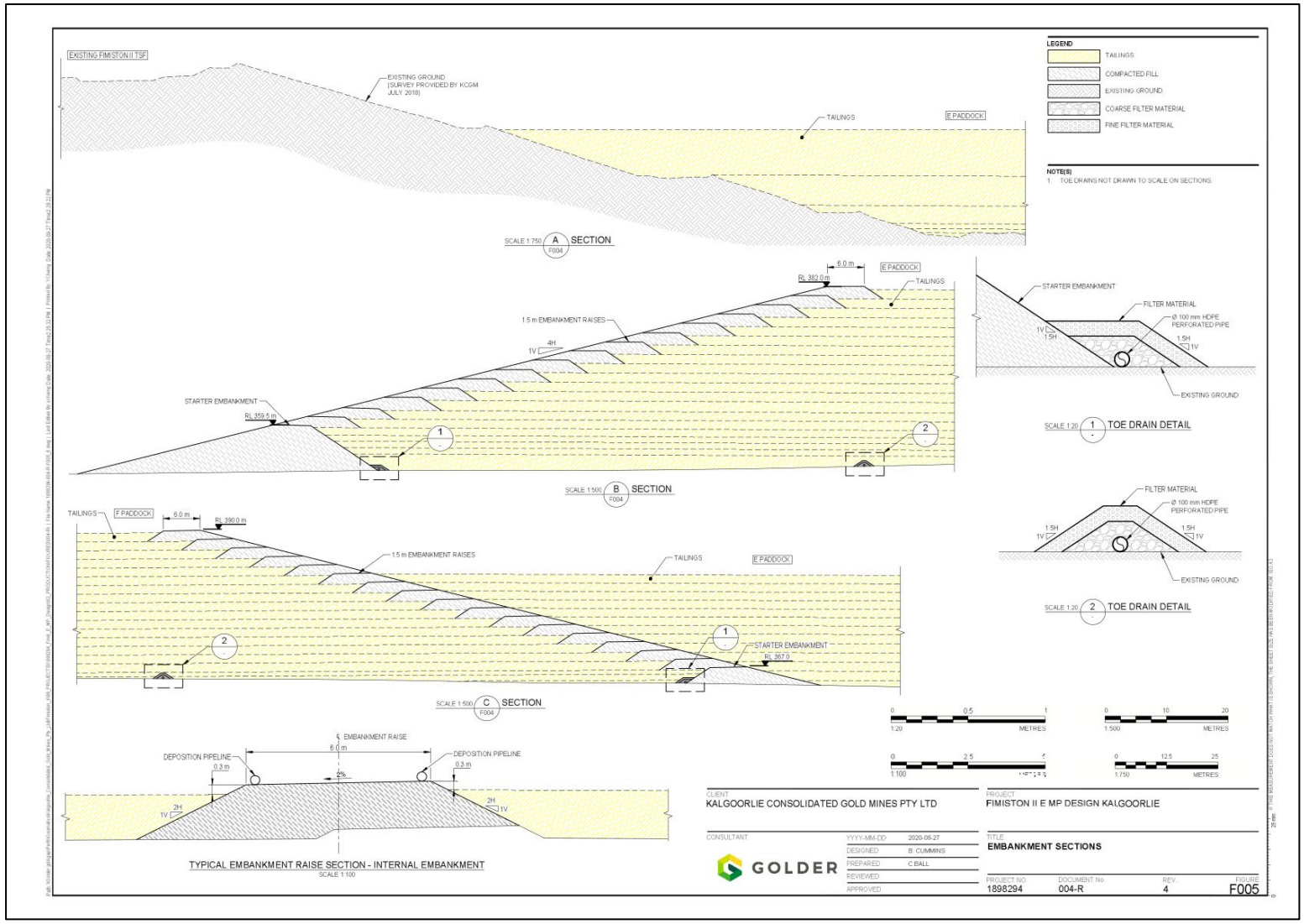

Figure 11: Fimiston II Extension TSF Cell E and F typical embankment raise details

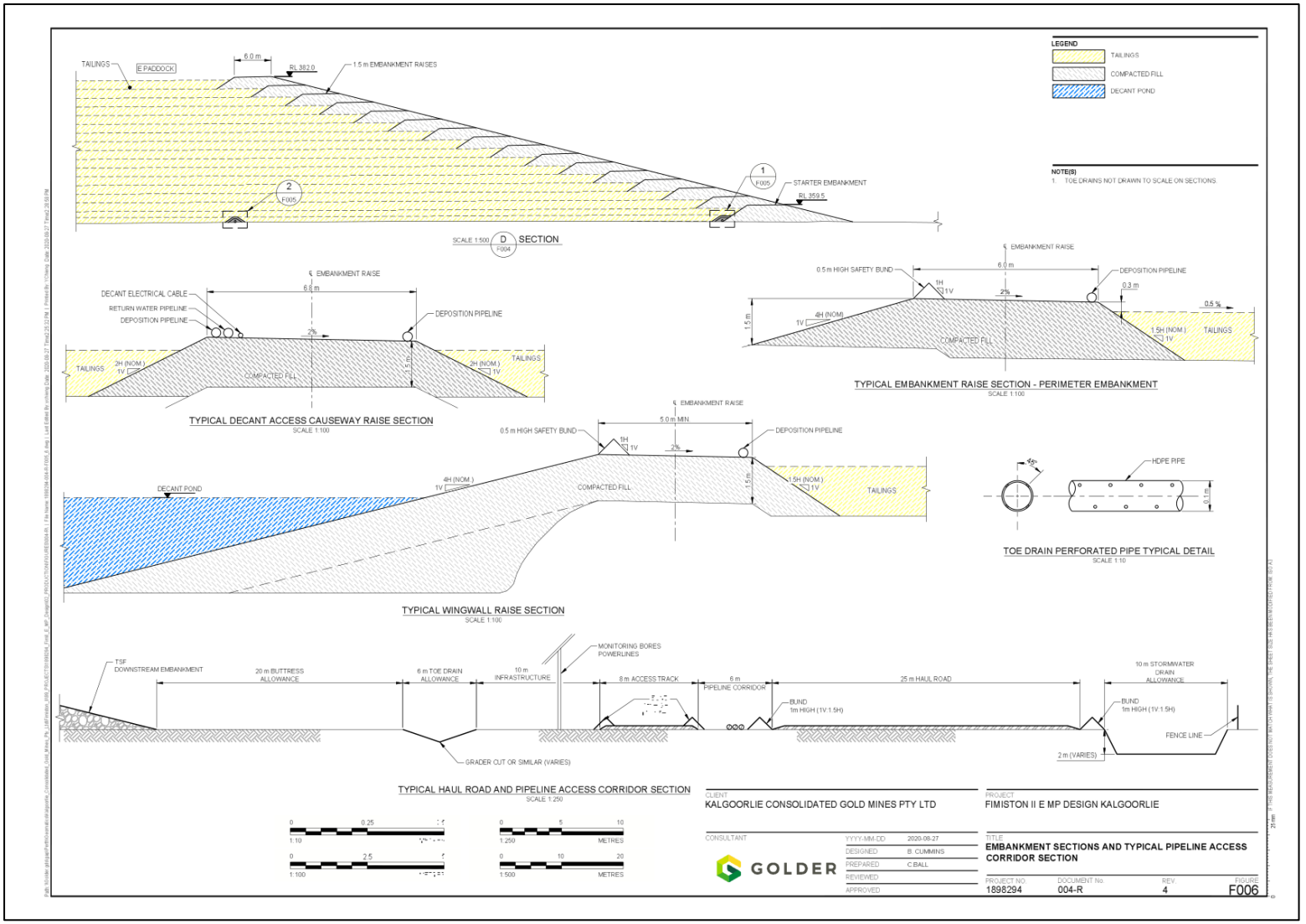

Figure 12: Fimiston II Extension TSF Cell E and F typical embankment raise details

Schedule 3: TSF groundwater monitoring bores

Table 22: Compliance groundwater monitoring bores

Eastern Borefield compliance monitoring bores (Fimiston I TSF and Fimiston II TSF)					
MB F01	MB F02	MB F03	MB F04	MB F06	MB F07
MB F08	MB F09	MB F19	MB F20	MB F21	MB F23
MB F27	MB F30	MB F31	MB F32	MB F33	MB F38
MB F49	MB F54	MB F55	MB F56	MB F57	MB F60
MB F61	MB F65	MB F66	MB F67	MB F72	MB F73
MB F74	MB F75	MB F80	MB F81	MB F82	MB F83
MB F84	MB F85	MB F103	MB F104	MB F105	MB F107
MB F108	MB F109	MB F110	MB F111	MB F112	MB F113
TRP4	TRP5	---	---	---	---
Kaltails TSF compliance monitoring bores (Zone A)					
MB K06	MB K11	MB K13	MB K14	MB K15	---
Kaltails TSF compliance monitoring bores (Zone B)					
MB K01	MB K02	MB K03	MB K04	MB K05	MB K21
MB K46	---	---	---	---	---

Table 23: All surface water and groundwater monitoring bores

Eastern Borefield dams and trenches (Fimiston I TSF and Fimiston II TSF)					
Decant 1	Decant 3	Fimiston I North Trench	Fimiston II South Trench		
Eastern Borefield compliance monitoring bores (Fimiston I TSF and Fimiston II TSF)					
MB F01	MB F02	MB F03	MB F04	MB F05	MB F05A
MB F06	MB F07	MB F08	MB F09	MB F10	MB F11
MB F12	MB F19	MB F20	MB F21	MB F23	MB F27
MB F30	MB F31	MB F32	MB F33	MB F34	MB F35
MB F36	MB F37	MB F38	MB F47	MB F48	MB F49
MB F50	MB F51	MB F52	MB F53	MB F54	MB F55
MB F56	MB F57	MB F60	MB F61	MB F62	MB F63
MB F64	MB F65	MB F66	MB F67	MB F72	MB F73
MB F74	MB F75	MB F79	MB F80	MB F81	MB F82
MB F83	MB F84	MB F85	MB F103	MB F104	MB F105
MB F107	MB F108	MB F109	MB F110	MB F111	MB F112
MB F113	MB F114	MB F115	MB F116	MB F117	MB F118
MB F119	TRP4	TRP5	NTD1	NTD2	NTD3
NTD4	NTD5	---	---	---	---
Kaltails TSF dams and trenches					
Decant 4	Kaltails Seepage Interception Trench			---	---
Kaltails TSF monitoring bores					
MB K01	MB K02	MB K03	MB K04	MB K05	MB K06

MB K11	MB K13	MB K14	MB K15	MB K17	MB K21
MB K23	MB K24	MB K25	MB K42	MB K46	MB K56
MB K57	MB K58	MB K59	MB K61	MB K63	MB K65
MB K66	MB K67	MB K77	MB K78	MB K79	MB K80
MB K81	MB K82	MB K83	---	---	---

Schedule 4: Notification & Forms

These forms are provided for the proponent to report monitoring and other data required by the Licence. They can be requested in an electronic format.

Licence: L6420/1988/14 Licence Holder: Kalgoorlie Consolidated Gold Mines Pty Ltd
Form: N1 Date of breach:

Notification of detection of the breach of a limit

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

Part A

Licence Number	
Name of operator	
Location of Premises	
Time and date of the detection	
Notification requirements for the breach of a limit	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

Part B

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident.	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission.	
The dates of any previous N1 notifications for the Premises in the preceding 24 months.	
Name	
Post	
Signature on behalf of Kalgoorlie Consolidated Gold Mines Pty Ltd	
Date	