



Works approval number W6772/2023/1

Applicant Chevron Australia Pty Ltd

ACN 086 197 757

Registered business address 250 St Georges Tce PERTH WA 6000

DWER file number DER2022/000691 and APP-0028162

Duration 17/08/2023 to 16/08/2029

Date of amendment 25/11/2025

Premises details Gorgon LNG Project
Legal description –
Part of Crown Lease L077431, Certificate of Title Volume LR3168 Folio 315, Site 1 on Deposited Plan 409277; Part of Crown Lease L077428, Certificate of Title LR3158 Folio 476, Site 5 on Deposited Plan 64220; Temporary Wastewater Injection Facilities Licence LIC00554/2009_1_43; Part of Revised Service Corridor Easement L641372, Certificate of Title Volume LR3142 Folio 58, Deposited Plan 91514; Part of Construction & Operations Support Infrastructure Licence 00058/2014_A4735851; and; Onshore Feed Gas Pipeline Right of Way Easement L466759, Certificate of Title Volume LR3142 Folio 58, Deposited Plan 91514.
As defined in Figure 1 of Schedule 1

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed production capacity
Category 12: Screening etc. of material	53,000 tonnes per year
Category 54: Sewerage Facility	485.1 m ³ /day
Category 61: Liquid Waste Facility	89,000 tonnes per year

This works approval is granted to the works approval holder, subject to the attached conditions, on 25 November 2025 , by:

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

Works approval history

Date	Reference number	Summary of changes
17/08/2023 dr	W6772/2023/1	Works approval granted.
01/10/2024	W6772/2023/1	Works approval amended to adjust infrastructure and operational requirements for the wastewater storage tanks and extend duration of time limited operations for the crushing and screening plant and the liquid waste facility.
06/11/2025	W6772/2023/1	Works approval amended to authorise the construction and time-limited operation of an evaporation pond, increasing the assessed production capacity of Category 61, and allow the expansion of Drill Centre A (construction only).
25/11/2025	W6772/2023/1	Works approval amended to alter crushing and screening plant requirements, operational areas, adjust the premises boundary, extend time-limited operations of the liquid waste facility, and change treated water monitoring frequency.

Interpretation

In this works approval:

- (a) the words 'including', 'includes' and 'include' in conditions mean "including but not limited to", and similar, as appropriate;
- (b) where any word or phrase is given a defined meaning, any other part of speech or other grammatical form of that word or phrase has a corresponding meaning;
- (c) where tables are used in a condition, each row in a table constitutes a separate condition;
- (d) any reference to an Australian or other standard, guideline, or code of practice in this works approval:
 - (i) if dated, refers to that particular version; and
 - (ii) if not dated, refers to the latest version and therefore may be subject to change over time;
- (e) unless specified otherwise, any reference to a section of an Act refers to that section of the EP Act; and
- (f) unless specified otherwise, all definitions are in accordance with the EP Act.

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

Works approval conditions

The works approval holder must ensure that the following conditions are complied with.

Construction phase

Infrastructure and equipment

1. The works approval holder must:
 - (a) construct and/or install the infrastructure and/or equipment;
 - (b) in accordance with the corresponding design and construction / installation requirements; and
 - (c) at the corresponding infrastructure location, as set out in Table 1.

Table 1: Design and construction requirements

	Infrastructure	Design and construction / installation requirements	Infrastructure location
1.	Three crushing and screening plant/(s)	(a) Construction works must only occur between 6am and 6pm. (b) Will have a design capacity of not more than 541.6 tonnes per hour (4,745,000 tonnes per year). (c) Machinery must be constructed to the manufacturer's specifications. (d) Water sprays must be installed at all crushing, screening and conveyor discharge points. (e) Conveyors must be fitted with skirting to reduce dust. (f) Exhaust mufflers must be arranged vertically.	Located within the areas labelled "Rock Crushing" in Figure 2 of Schedule 1.
2.	New Wastewater Treatment plant (WWTP)	(a) Must be able to receive and treat a sewage inflow of 485.1 m ³ /day. (b) Must be designed to treat sewage to the following effluent design criteria: <ol style="list-style-type: none"> (i) Biological oxygen demand (BOD5) < 20 mg/L; (ii) Total Nitrogen (TN) < 5 mg/L; (iii) Total Phosphorous (TP) < 0.5 mg/L; (iv) Total suspended solids (TSS) < 30 mg/L; (v) Turbidity < 5 NTUs; (vi) E. coli < 10 CFU/100mL; (vii) Residual Chlorine between 0.2 – 2 mg/L; and (viii) pH between 6.5 – 8.5. (c) Must comprise of the following process tanks; <ol style="list-style-type: none"> (i) anoxic tank; (ii) aerobic tank; (iii) post-anoxic tank; (iv) MBR tank; 	Located within the area labelled "New wastewater treatment plant" in Figure 3 of Schedule 1.

	Infrastructure	Design and construction / installation requirements	Infrastructure location
		<ul style="list-style-type: none"> (v) aerobic sludge digester tank and; (vi) a treated effluent tank. (d) All process tanks listed above must be within an impervious bund connected to the existing stormwater drainage system. (e) All process tanks listed above must incorporate an alarm system that will activate in the event of high tank levels and tank overflows. (f) All sewage transfer pipelines and conveyance infrastructure must be impermeable, free of leaks and defects. (g) All sewage conveyance, storage and treatment infrastructure must be designed and constructed to ensure that stormwater does not enter the sewage, treated wastewater or storage infrastructure. 	
3.	Liquid waste facility and associated generator	<ul style="list-style-type: none"> (a) Comprise of up to five waste tanks, each with a maximum capacity of up to 80,000L and which all have secondary containment which: <ul style="list-style-type: none"> (i) encompasses the tank and all connection points attached to the tank; and (ii) is impervious to retain and enable recovery of liquids. (b) All liquid waste storage and treatment tanks, secondary containment, vessels, transfer pipelines and conveyance infrastructure must be impermeable, free of leaks and defects; (c) The diesel storage tank for the generator is to be located within secondary containment bunding which: <ul style="list-style-type: none"> (i) Has the capacity to contain 110% of the generator tank volume; and (ii) is impervious to retain and enable recovery of any spillage. 	Located within the indicative locations in Figure 4 of Schedule 1.
4.	Evaporation Pond	<ul style="list-style-type: none"> (a) Ponds must be constructed in accordance with the plans in Schedule 1 Figure 5 and Figure 6. (b) Pond must be constructed with a minimum storage capacity of 6096 m³ excluding a 500 mm freeboard. (c) Embankment crests must be a minimum of 1.5m width. (d) Embankments and foundation must be graded smooth, free from sharp objects. (e) Embankments and foundation must be compacted to a minimum thickness of 100 mm and achieve an average compaction of at least 95% of the Maximum Modified Dry Density (MMDD) as determined with AS 1289.5.1.1. (f) Embankments and foundations must be double lined 	Located within the indicative location set out in Figure 5 of Schedule 1.

	Infrastructure	Design and construction / installation requirements	Infrastructure location
		<p>with HDPE geomembrane liners that comply with the requirements specified in item 5.</p> <p>(g) A geocomposite drainage layer must be installed between the two HDPE geomembrane liners.</p> <p>(h) A cushioned geotextile must be installed below the lower HDPE geomembrane liner.</p> <p>(i) HDPE geomembrane liners and the geocomposite drainage layer must be anchored into anchor trenches in accordance with Figure 6 of Schedule 1.</p> <p>(j) Anchor trenches must be backfilled with material compacted to achieve an average compaction of at least 95% of the Maximum Modified Dry Density (MMDD) in accordance with AS 1289.5.1.1.</p> <p>(k) The pond must be graded towards a low point at the northern end (sump), the sump must:</p> <ul style="list-style-type: none"> (i) have two 150 mm leak detection pipes perforated at the ends, installed between the two HDPE geomembrane liners and placed in aggregate baskets at either end of the sump; and (ii) be overlain with puncture resistant material(s), along the base and internal embankment to the crest. <p>(l) Visual freeboard markers must be installed below the maximum operating level of the pond</p> <p>(m) Pond must be constructed with a trafficable, kerbed concrete ramp graded towards the pond</p> <p>(n) A washdown pump must be placed in proximity to the concrete ramp, if diesel driven, the tank must be banded.</p> <p>(o) Fauna exit structures must be installed around the perimeter of the pond</p> <p>(p) A perimeter fence must be established around the pond</p> <p>(q) A bird deterrent system, consisting of high-contrast tape or equivalent, must be installed across the pond at intervals of no more than 5 metres.</p>	
5.	HDPE Liners	<p>(a) HDPE liners must have the following properties:</p> <ul style="list-style-type: none"> (i) a coefficient of permeability of less than 2×10^{-10} m/s; (ii) a minimum thickness of 1.5 mm; (iii) specific gravity of 0.94 g/cm³ or more; (iv) melt index of 0.05 g to 0.30 g in 10 minutes; (v) carbon black content of 2 - 3%; (vi) minimum tensile strength at yield of 16 000 kN/m²; (vii) minimum tensile strength at break of 550 kN/m²; 	N/A

	Infrastructure	Design and construction / installation requirements	Infrastructure location
		<p>and</p> <p>(viii) minimum elongation at yield of 10%, and at break 300%.</p> <p>(b) The liner shall be fabricated to form the shape of the excavation</p> <p>(c) Continuous thermal weld seams must be used to join geomembrane panels together, with panels overlapping by a minimum of 100mm.</p> <p>(d) Geomembrane welding materials must be of the type recommended and supplied by the liner manufacturer.</p> <p>(e) All seams and joins must be constructed and tested as watertight over their full length using a vacuum test unit, air pressure testing or other approved method used in the HDPE membrane industry.</p> <p>(f) Defective welds must be repaired and re-tested.</p>	
6.	Four Groundwater Monitoring wells	<p>(a) Must be designed and constructed in accordance with <i>ASTM D5092/D5092M-16: Standard practice for design and installation of groundwater monitoring bores</i>.</p> <p>(b) Well screens must target the part, or parts, of the aquifer most likely to be affected by contamination.</p> <p>(c) Soil samples must be collected and logged during the installation of the monitoring wells.</p> <p>(d) A record of the geology encountered during drilling must be described and classified in accordance with the Australian Standard Geotechnical Site Investigations AS1726.</p> <p>(e) Any observations of staining / odours or other indications of contamination must be included in the bore log.</p> <p>(f) Well construction details must be documented within a well construction log to demonstrate compliance with <i>ASTM D5092/D5092M-16</i>. 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.</p> <p>(g) 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.</p> <p>(h) The vertical (top of casing) and horizontal position of each monitoring well must be surveyed and subsequently mapped by a suitably qualified surveyor.</p>	Located at the indicative locations labelled Evaporation Pond monitoring wells 1 - 4 as seen in Figure 8 of Schedule 1

	Infrastructure	Design and construction / installation requirements	Infrastructure location
		(i) 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.	
7.	Drill Centre A (DC-A) expansion: <ul style="list-style-type: none"> • Construction of expanded pad • Installation of two new CO₂ injection wells • Installation of an associated generator 	N/A	In the area labelled "DC-A extended pad" in Figure 7 of Schedule 1.

Compliance reporting

2. The works approval holder must within 30 calendar days of an item of infrastructure or equipment required by condition 1 being constructed and/or installed:
 - (a) undertake an audit of their compliance with the requirements of condition 1; and
 - (b) prepare and submit to the CEO an Environmental Compliance Report on that compliance.
3. The Environmental Compliance Report required by condition 2, must include as a minimum the following:
 - (a) certification by a suitably qualified civil 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.

Environmental commissioning phase

Environmental commissioning requirements and emission limits

4. The works approval holder may only commence environmental commissioning of an item of infrastructure listed in condition 5 once the Environmental Compliance Report has been submitted for that item of infrastructure in accordance with condition 2 of this works approval.
5. Any environmental commissioning activities undertaken for an item of infrastructure specified in Table 2 may only be carried out:

- (a) in accordance with the corresponding commissioning requirements; and
- (b) for the corresponding authorised commissioning duration.

Table 2: Environmental commissioning requirements

Infrastructure	Commissioning requirements	Authorised commissioning duration
WWTP	<ul style="list-style-type: none"> (a) Treated effluent must be transferred: <ul style="list-style-type: none"> (i) to the disposal water tanks before being transported to the PWD wells; or (ii) to the TWIP disposal wells. (b) All wastewater storage and treatment tanks, vessels, transfer pipelines and conveyance infrastructure must be kept impermeable, free of leaks and defects. (c) Solid waste (sludge) must be stored and transported in covered receptacles to the waste transfer station. (d) Chemicals must be stored in accordance with Australian Standards AS1940-2004 or AS3780-2008 or AS3833-2007 as applicable. 	For a period not exceeding 90 calendar days in aggregate.

6. During environmental commissioning, the works approval holder must ensure that the emission(s) specified in Table 3, are discharged only from the corresponding discharge point(s) and only at the corresponding discharge point location(s).

Table 3: Authorised discharge points during commissioning

Emission	Discharge point	Discharge point location - Schedule 1, Figure 8: Map of authorised discharge point
Treated or partially treated wastewater from the WWTP	PWD wells	Labelled Z-WI1 and Z-WI2
	TWIP disposal wells	Labelled WDW1 and WDW2

Monitoring during environmental commissioning

- 7. The works approval holder must undertake process monitoring during environmental commissioning of the wastewater treatment plant in accordance with Table 11 in Schedule 2.
- 8. The works approval holder must record the results of all monitoring activity required by condition 7.

Environmental commissioning report

- 9. The works approval holder must submit to the CEO an Environmental Commissioning Report within 14 calendar days of the completion date of environmental commissioning for the infrastructure specified in Table 2.
- 10. The works approval holder must ensure the Environmental Commissioning Report required by condition 9 of this works approval includes the following:
 - (a) a summary of the environmental commissioning activities undertaken, including timeframes and amount of wastewater processed;
 - (b) the process monitoring results recorded in accordance with condition 8;

- (c) a summary of the environmental performance of each item of infrastructure or equipment.
- (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

11. The works approval holder may only commence time limited operations for an item of infrastructure identified in condition 1 (as applicable):
 - (a) where an item of infrastructure is not authorised to undertake environmental commissioning, the Environmental Compliance Report as required by condition 2 has been submitted by the works approval holder for that item of infrastructure; or
 - (b) where an item of infrastructure is authorised to undertake environmental commissioning under condition 4, the Environmental Commissioning Report for that item of infrastructure as required by condition 9 has been submitted by the works approval holder.
12. The works approval holder may conduct time limited operations for the WWTP:
 - (a) for a period not exceeding 180 calendar days from the day the works approval holder meets the requirements of condition 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 11(a).
13. The works approval holder may conduct time limited operations for the crushing and screening plant/s for a period not exceeding 35 months from the day the works approval holder commences operation of the infrastructure in accordance with condition 11.
14. The works approval holder may conduct time limited operations for the Liquid waste facility and associated generator for a period not exceeding 39 months from the day the works approval holder commences operation of the infrastructure in accordance with condition 11.
15. The works approval holder may conduct time limited operations of the evaporation pond for a period not exceeding 39 months from the day the works approval holder commences operation of the infrastructure in accordance with condition 11.

Time limited operations requirements

16. 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.	Crushing and Screening Plant/(s)	<ul style="list-style-type: none"> (a) Water sprays must be activated on machinery when fugitive dust is observed. (b) Water carts must be available on site to suppress any visible emissions of fugitive dust. (c) Stormwater is to be managed so contaminated or potentially contaminated stormwater is captured to prevent release into the environment. (d) Crushing outside the GGTP must only occur during daylight hours. 	Located within the two areas highlighted green (within the right of way and GGTP) seen in Figure 2 of Schedule 1.
2.	WWTP	<ul style="list-style-type: none"> (a) Must operate with an alarm system that activates in the event of: <ul style="list-style-type: none"> (i) high tanks levels; and (ii) tank overflows. (b) Treated effluent must be transferred: <ul style="list-style-type: none"> (i) to the disposal water tanks before being transported to the PWD wells; or (ii) to the TWIP disposal wells. (c) All wastewater storage and treatment tanks, vessels, transfer pipelines and conveyance infrastructure must be kept impermeable, free of leaks and defects. (d) Solid waste (sludge) must be stored and transported in covered receptacles to the waste transfer station. (e) Chemicals must be stored in accordance with Australian Standards AS1940-2004 or AS3780-2008 or AS3833-2007 as applicable. 	Located within the area labelled "New wastewater treatment plant" in Figure 3 of Schedule 1.
3.	Liquid waste facility "Dewatering facility"	<ul style="list-style-type: none"> (a) Solid waste/sludge must be stored and transported in plastic lined fully enclosed receptacles. (b) Chemicals to be stored in accordance with Australian Standards AS1940-2004 or AS3780-2008 or AS3833-2007 as applicable. (c) Facility must be manned when operational, during transfers and level indicators must be monitored. (d) All liquid waste storage and treatment tanks, secondary containment, vessels, transfer pipelines and conveyance infrastructure must be kept impermeable, free of leaks and defects. (e) Transfer pipelines, secondary containment and conveyance infrastructure must be inspected monthly in accordance with requirement (d). (f) Wastewater must only be stored in tanks with secondary containment. (g) All wastewater tank connections must be isolated via valves when the facility is not manned. 	Located within the indicative locations in Figure 4 of Schedule 1.

	Site infrastructure and equipment	Operational requirement	Infrastructure location
		(h) The generators diesel storage tank containment bund must be maintained: <ul style="list-style-type: none"> (i) in a fit for purpose condition for containing liquids and free of cracks or damage and; (ii) with capacity to contain not less than 110% of the volume of the generator tank volume. 	
4.	Evaporation Pond	(a) An operational freeboard of at least 500 mm must be maintained at all times (b) The pond must be maintained with a hydraulic conductivity (permeability) of less than 1×10^{-9} m/s (c) Perimeter fence gates are only to be opened for transfer truck access or for required personnel access. (d) Any wastewater recovered from the pond is to be stored within tanks located on the concrete ramp prior to reuse for washdown activities. (e) Sludge removal must only be undertaken on areas of the pond overlain with puncture resistant material. (f) Solid waste/sludge must be stored and transported in plastic lined fully enclosed receptacles or equivalent impermeable alternative.	Located within the indicative location set out in Figure 5 of Schedule 1.

17. During time-limited operations of the evaporation pond, the works approval holder must undertake inspections of the infrastructure specified in Table 5, in accordance with the inspection requirements and frequency specified in Table 5; and record the results of all such monitoring.

Table 5: Inspection of Infrastructure requirements

Infrastructure	Inspection Requirements	Frequency of Inspection
Evaporation Pond	Pond Perimeter inspection with checks for: <ul style="list-style-type: none"> (a) Visual integrity of embankments and geomembranes ; and (b) Freeboard capacity. 	Weekly
	Leak detection port must be inspected by lowering a water detection probe down each leak detection port.	Weekly
	Fauna presence inside the perimeter fence	Daily

18. During time limited operations, the works approval holder must undertake the management actions specified in Table 6 in the event any of the reportable events specified in Table 6 occur.

Table 6: Reportable Events

Infrastructure	Reportable event	Management Actions
Evaporation pond	Operational freeboard of 500 mm is exceeded	<p>Within seven days of becoming aware of a freeboard exceedance the works approval holder must notify the CEO in writing of that non-compliance and include in that notification the following information:</p> <ul style="list-style-type: none"> (a) The date and time the freeboard was exceeded; (b) The amount the freeboard was exceeded by; (c) Timeframe expected for operational freeboard of 500 mm to be achieved; and (d) Details of management actions being undertaken to reduce the water level in the ponds.
	Water collection rate in the sump exceeds 500 L/day, monitored on a weekly basis	<p>Within seven days of becoming aware of the water collection rate in the sump exceeding 500 L/day, the works approval holder must commence investigations into the exceedance and notify the CEO in writing of:</p> <ul style="list-style-type: none"> (a) The date and time the exceedance was detected; and (b) Details of any management actions undertaken and/or planned to be undertaken. <p>Within 14 days of becoming aware of the water collection rate in the sump exceeding 500 L/day, the works approval holder must notify the CEO in writing of:</p> <ul style="list-style-type: none"> (a) The outcomes of the investigation; (b) The suspected source of the exceedance, if known; and (c) Details of any further management actions undertaken and/or planned to be undertaken.

19. During time limited operations, the works approval holder must ensure that the emission(s) specified in Table 7, are only discharged from the corresponding discharge point(s) and only at the corresponding discharge point location(s).

Table 7: Authorised discharge points during time limited operations

Emission	Discharge point	Discharge point location - Schedule 1, Figure 8: Map of authorised discharge points
Treated wastewater from the new WWTP	PWD wells	Labelled Z-WI1 and Z-WI2 discharge points.
	TWIP disposal wells	Labelled WDW1 and WDW2 discharge points.
Treated drilling wastewater from the dewatering facility	PWD wells	Labelled Z-WI1 and Z-WI2 discharge points.
	TWIP disposal wells	Labelled WDW1 and WDW2 discharge points.

Monitoring during time limited operations

20. The works approval holder must undertake process monitoring during time limited operations of the wastewater treatment plant in accordance with Table 11 within Schedule 3.
21. The works approval holder must undertake process monitoring during time limited operations of the dewatering facility in accordance with Table 8.

Table 8: Dewatering facility output monitoring during time limited operations

Monitoring location	Parameter	Unit	Frequency	Averaging Period	Method
Location labelled "sampling point" in Figure 4 of Schedule 1	Total recoverable hydrocarbons	ppm	Monthly	Spot sample	NATA accredited or in accordance with licence holder approved internal laboratory procedures
	pH	pH units			
	Total suspended solids	ppm			

22. The works approval holder must monitor groundwater during time limited operations of the evaporation pond for concentrations of the identified parameter(s) in accordance with Table 9.

Table 9: Groundwater Monitoring

Monitoring location	Parameter	Unit	Frequency	Averaging Period	Method
Evaporation Pond monitoring wells 1 - 4 as seen in Figure 8 of Schedule 1	Standing water level	mbgl	Once prior to the discharge of waste into the evaporation pond then biannually.	In field spot sample	
	pH	pH units		Spot sample in accordance with AS/NZS 5667.11	NATA accredited laboratory or in accordance with licence holder approved internal laboratory procedures
	EC	µS/cm			
	Alkalinity (as CaCO ₃), TDS, Hardness (as CaCO ₃), Potassium (K ⁺), Chloride (Cl ⁻), Total recoverable Hydrocarbons, BTEX, Sulphate, Chromium (Total), Aluminium, Arsenic, Barium, Cadmium, Cobalt, Copper, Iron, Lead, Manganese, Mercury, Nickel, Zinc,	mg/L			

23. The works approval holder must record the results of all monitoring activity required by conditions 20, 21 and 22.

Compliance reporting

24. 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 for each item of infrastructure.

- 25.** The works approval holder must ensure the report required by condition 24 includes the following:
- (a) a summary of the time limited operations, including timeframes and amount of wastewater and/or material (rock) processed;
 - (b) a summary of process monitoring results obtained during time limited operations under condition 20, 21 and/or 22.
 - (c) a summary of the environmental performance of all infrastructure as constructed or installed.
 - (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)

- 26.** 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.
- 27.** The works approval holder must maintain accurate and auditable books including the following records, information, reports, and data required by this works approval:
- (a) the works conducted in accordance with condition 1;
 - (b) any maintenance of infrastructure or inspections that are performed in the course of complying with condition 1;
 - (c) monitoring programmes undertaken in accordance with conditions 7, 20, 21; and
 - (d) complaints received under condition 26.
- 28.** The books specified under condition 27 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 1289.5.1.1	means the Australia Standard AS1289.5.1.1 <i>Methods of testing soils for engineering purposes Method 5.1.1: Soil compaction and density tests—Determination of the dry density/moisture content relation of a soil using standard compactive effort</i>
AS 1726	means Australian Standard AS <i>Geotechnical site investigations</i>
AS 1940-2004	means the Australian Standard AS1940-2004 <i>The storage and handling of flammable and combustible liquids</i>
AS 3780-2008	means the Australian Standard AS3780-2008 <i>The storage and handling of corrosive substances</i>
ASTM D5092/D5092M-16	means ASTM D5092/D5092M-16: <i>Standard practice for design and installation of groundwater monitoring bores.</i>
AS/NZS 3833-2007	means the Australian/New Zealand Standard AS/NZS 3833: 2007 <i>The storage and handling of mixed classes of dangerous goods, in packages and intermediate bulk containers</i>
AS/NZS 5667.10-1998	means the Australian Standard AS/NZS 5667.10 <i>Water quality - Sampling - Guidance on Sampling of Waste Waters</i>
AS/NZS 5667.11	means the Australian Standard AS/NZS 5667.11 <i>Water Quality - Sampling – Guidance on sampling groundwaters</i>
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 <i>Environmental Protection Act 1986</i> Locked Bag 10 Joondalup DC WA 6919 info@dwer.wa.gov.au
Suitably qualified civil 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 a supervisory role in civil or structural 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.
Department	means the department established under section 35 of the <i>Public Sector Management Act 1994</i> and designated as responsible for the

Term	Definition
	administration of Part V Division 3 of the EP Act
discharge	has the same meaning given to that term under the EP Act
emission	has the same meaning given to that term under the EP Act
environmental commissioning	means the sequence of activities to be undertaken to test equipment integrity and operation, or to determine the environmental performance, of equipment and infrastructure to establish or test a steady state operation and confirm design specifications
Environmental Commissioning Report	means a report on any commissioning activities that have taken place and a demonstration that they have concluded, with focus on emissions and discharges, waste containment, and other environmental factors
Environmental Compliance 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	<i>Environmental Protection Act 1986 (WA)</i>
EP Regulations	<i>Environmental Protection Regulations 1987 (WA)</i>
GGTP	means Gorgon Gas Treatment Plant
m ³ /day	means cubic metres per day
MBR	means membrane bioreactor
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.
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
PWD	means Permanent Wastewater Disposal
right of way	means the Gorgon and Jansz Feed Gas Pipeline Right of Way
STP dry	means standard temperature and pressure (0° Celsius and 101.325 kilopascals respectively), dry
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.
TWIP	means Temporary Wastewater Injection Plant
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

Term	Definition
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
WWTP	means the new wastewater treatment plant

END OF CONDITIONS

Schedule 1: Maps

Premises Map

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

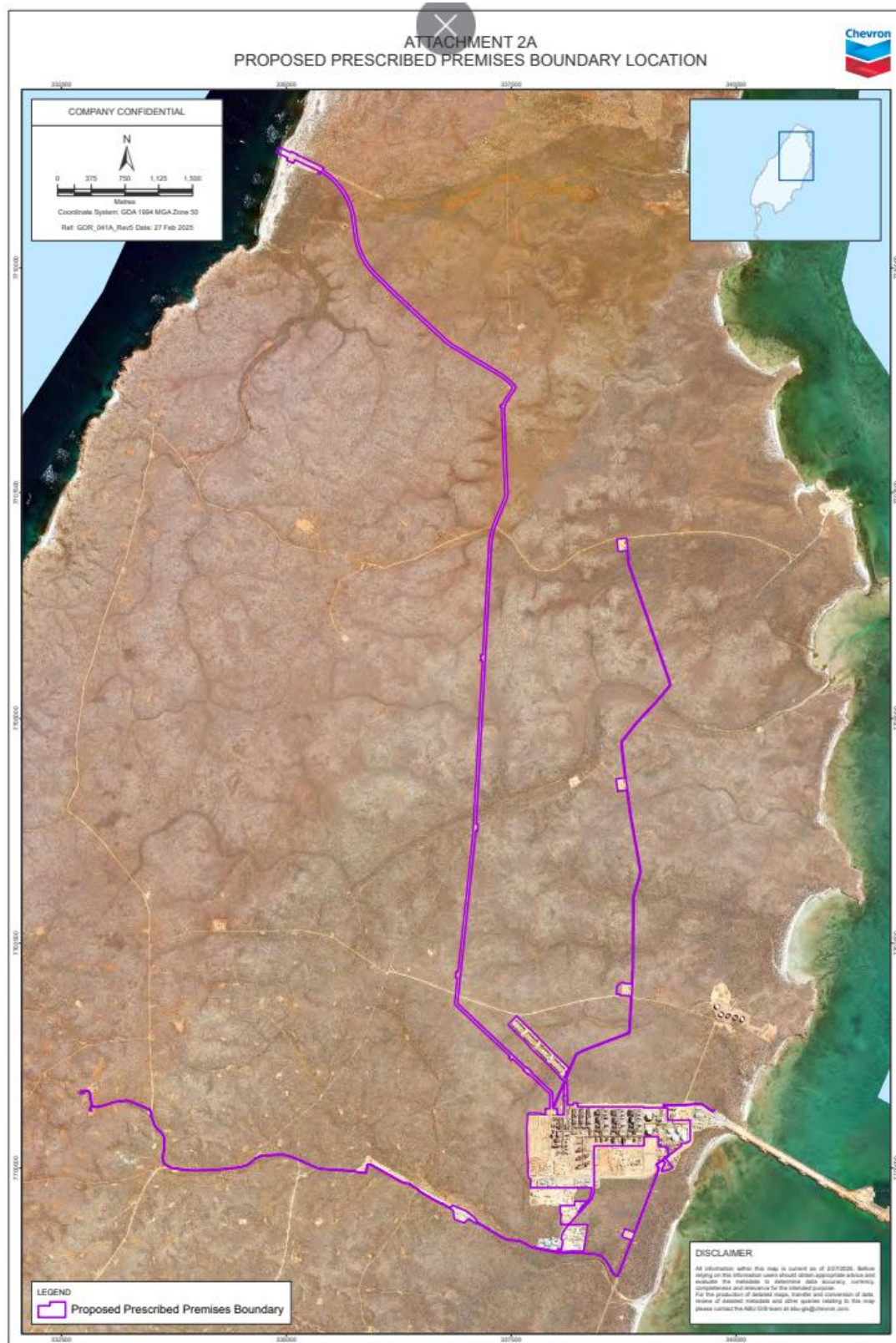


Figure 1: Map of the boundary of the prescribed premises

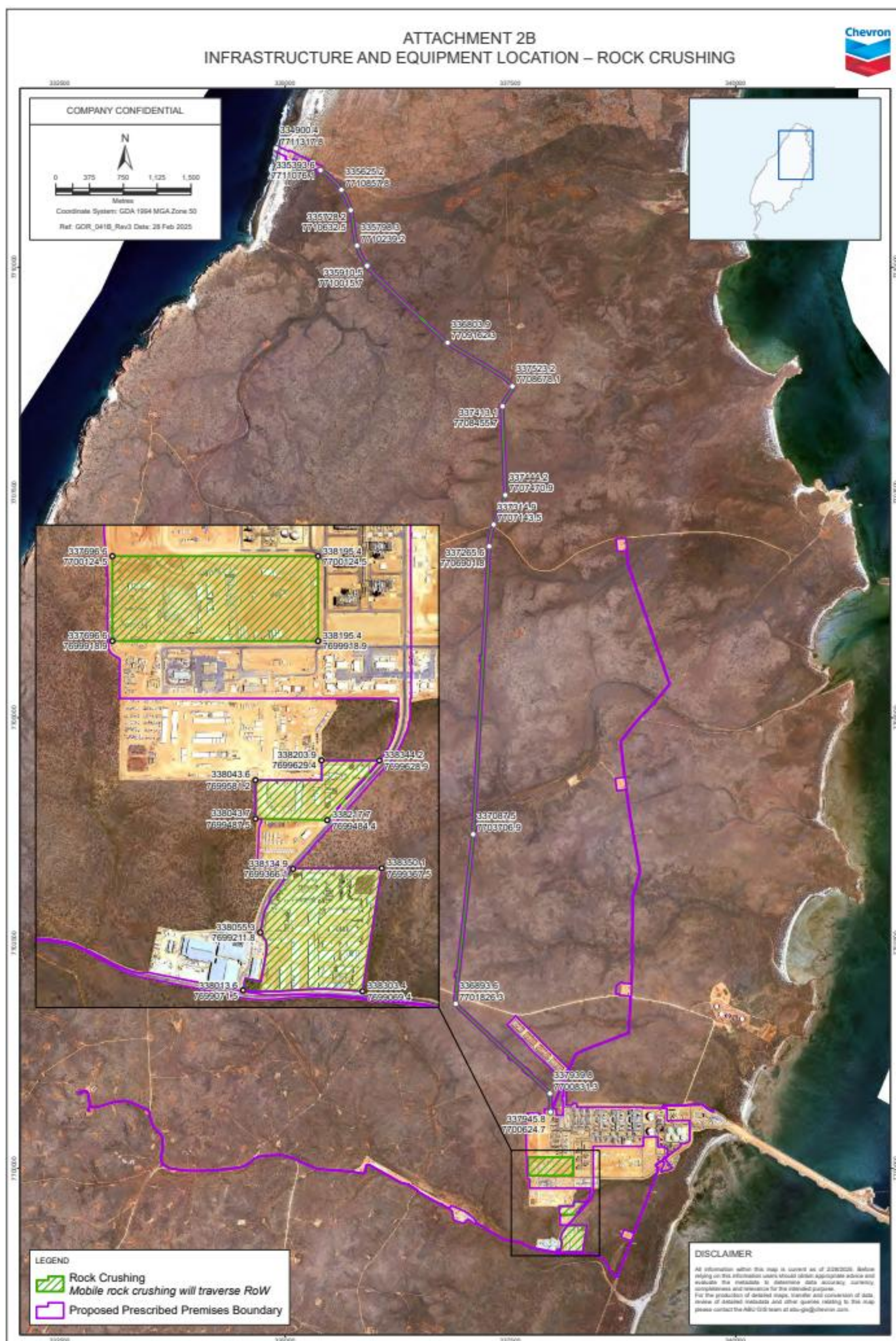


Figure 2: Map of crushing and screening locations



ATTACHMENT 2C
INFRASTRUCTURE AND EQUIPMENT LOCATION – WASTEWATER TREATMENT PLANT

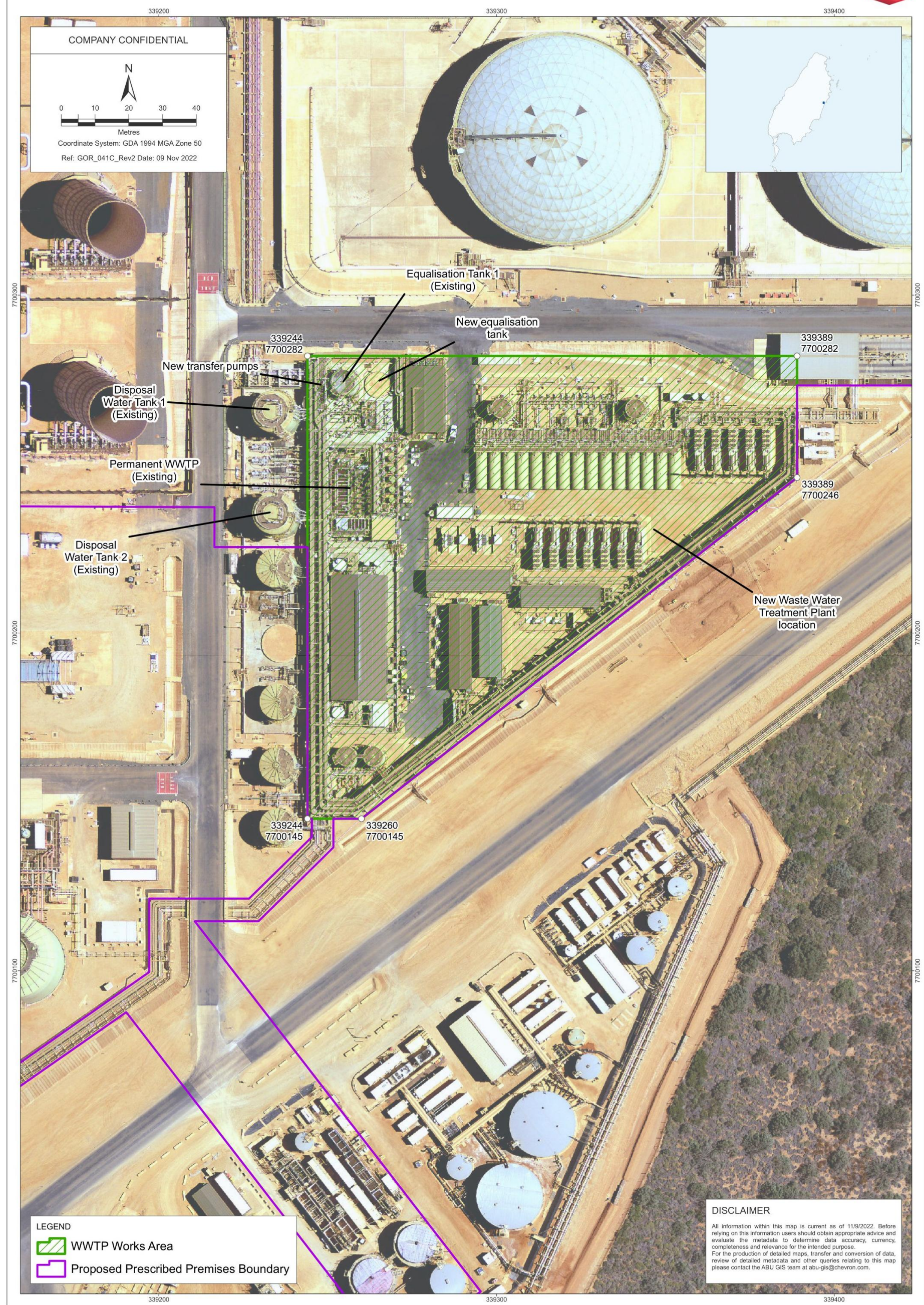


Figure 3: Map of WWTP layout within the GGTP

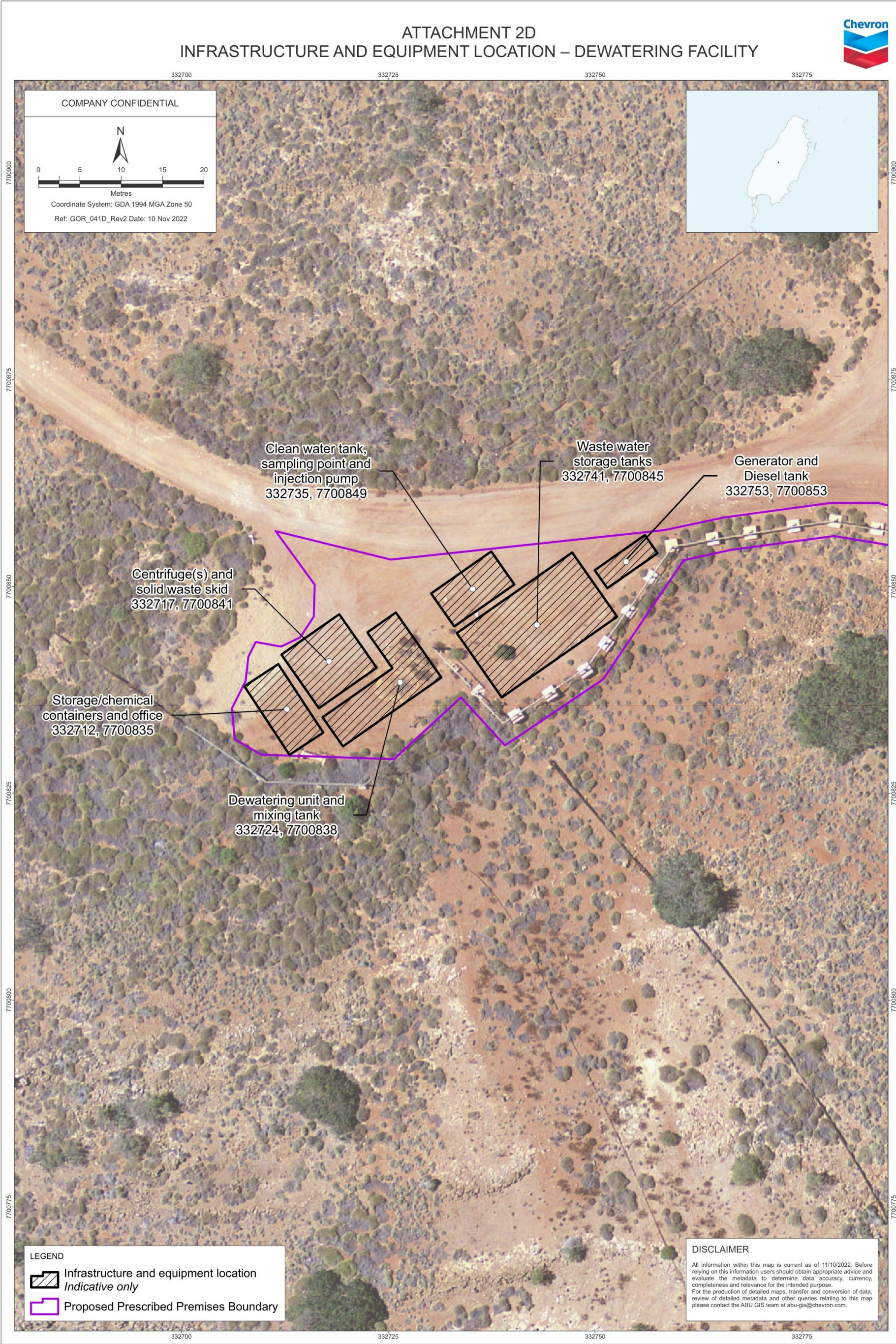


Figure 4: Map of dewatering facility layout

Evaporation Pond Design Maps

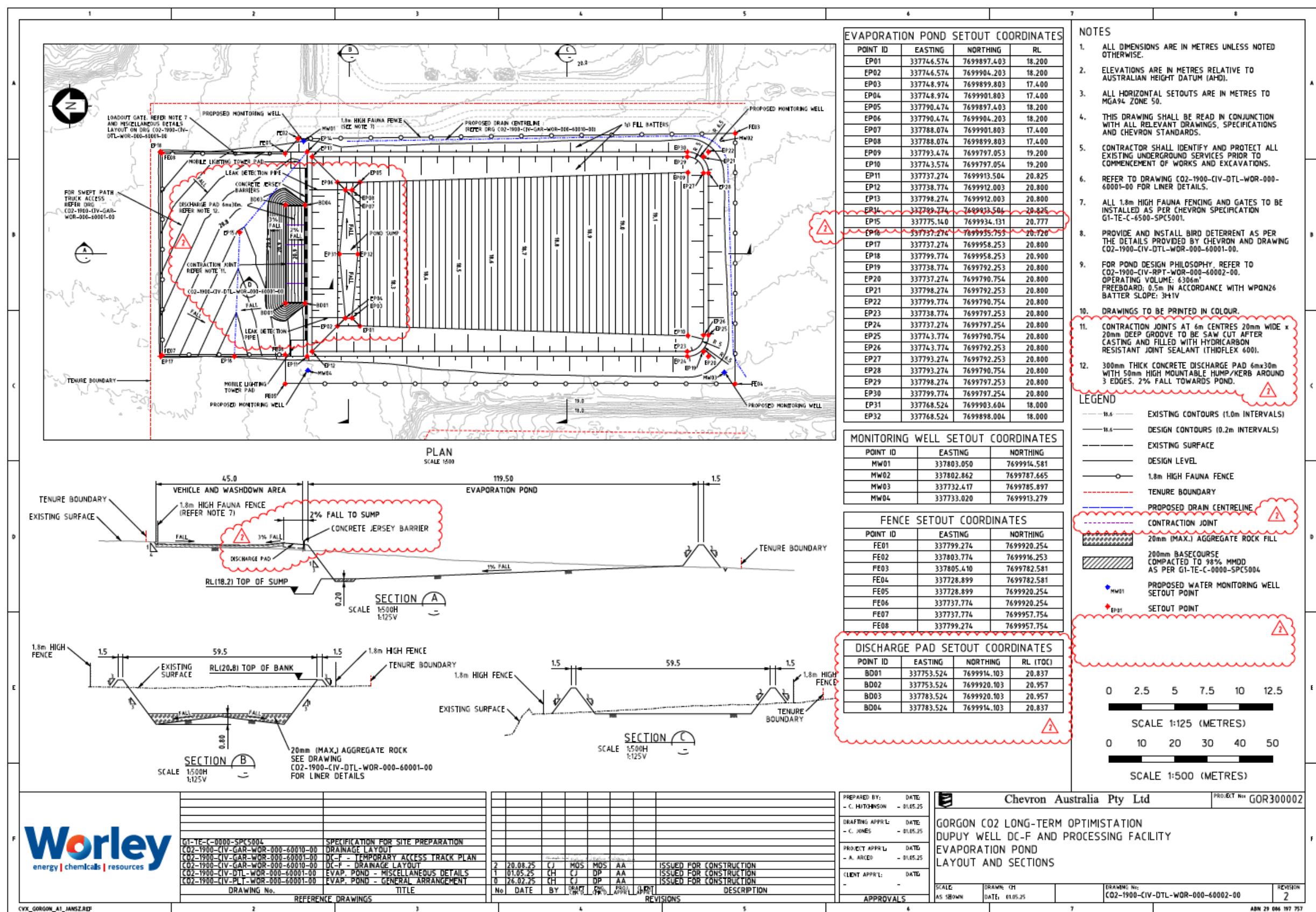


Figure 5: Evaporation Pond layout and sections

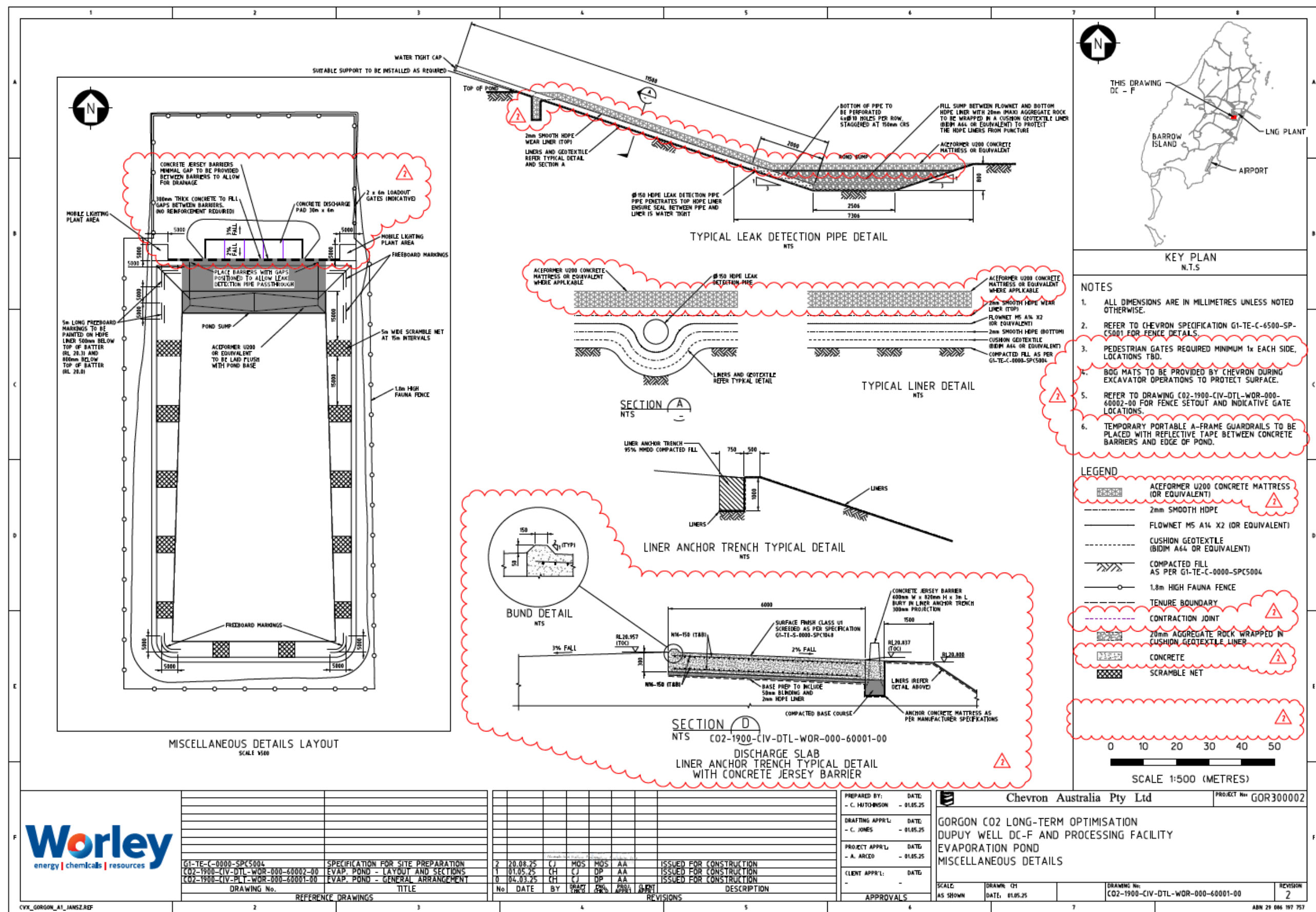


Figure 6: Evaporation Pond design details

Drill Centre A Expansion



Figure 7: Drill Centre A expansion

Map of discharge points to land and monitoring points

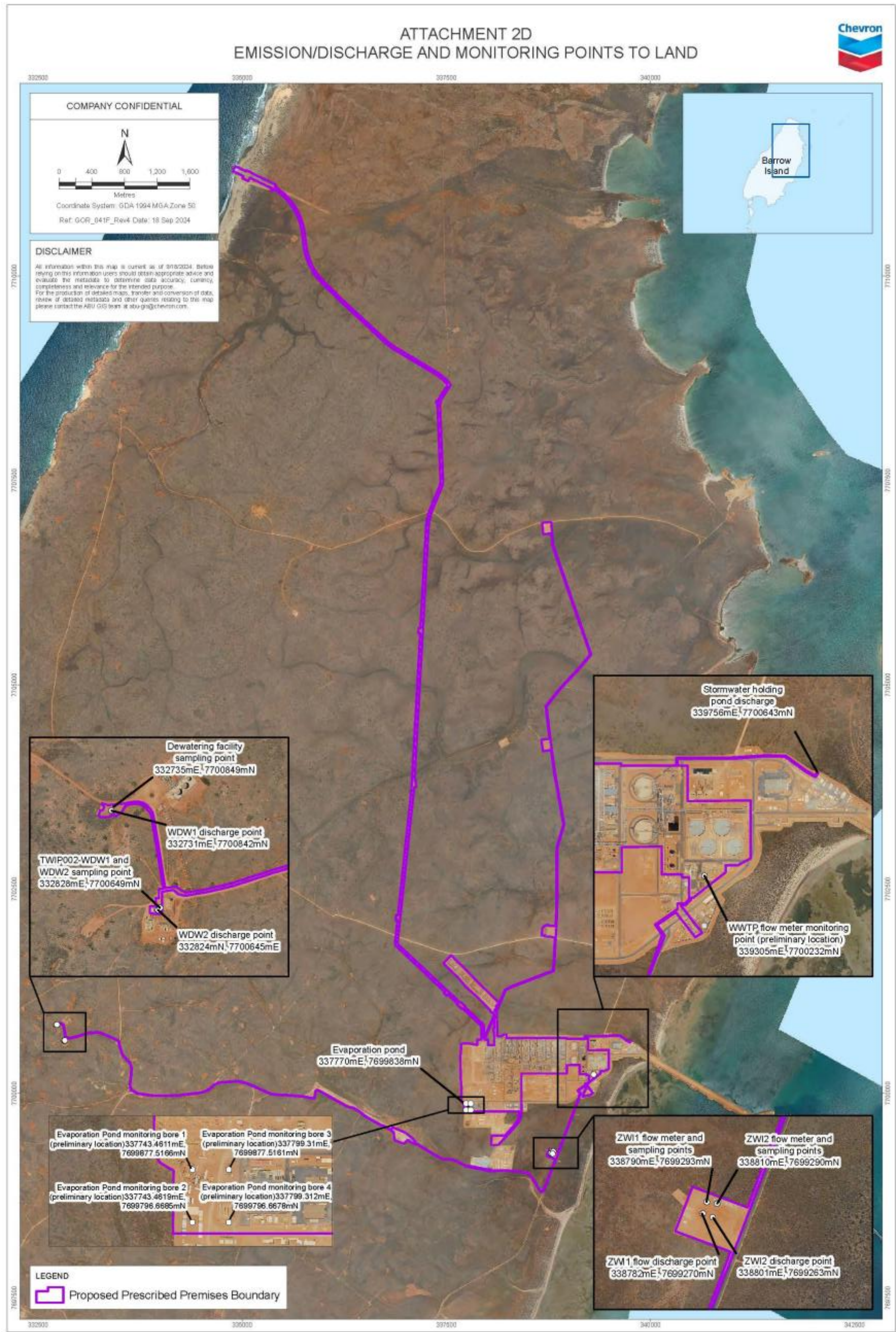


Figure 8: Map of authorised discharge points and monitoring points

Schedule 2: Monitoring

Table 11: Emissions and discharge monitoring during environmental commissioning and time limited operations of the WWTP.

Monitoring location	Parameter	Frequency	Averaging Period	Unit	Method	
					Sampling	Analysis
Schedule 1 - Figure 8: Map of authorised discharge point labelled: "WWTP flow meter monitoring point"	Inflow	Continuous	Cumulative daily	m ³ /day	None specified	
	Outflow					
	pH	Quarterly (Once during commissioning and twice during time limited operations)	Spot sample	pH units	In accordance with AS/NZS 5667.10	NATA accredited or in accordance with licence holder approved internal laboratory procedures
	Total suspended solids			mg/L		
	Total recoverable hydrocarbons			mg/L		
	5-day Biochemical oxygen demand (BOD ₅)			mg/L		
	Total Nitrogen			mg/L		NATA accredited
	Total Phosphorous			mg/L		
	E. coli			CFU/100mL		
	Anionic surfactants			mg/L		