



Works Approval

Works approval number	W3025/2025/1
Works approval holder	HazRad Australia Pty Ltd
ACN	626 763 782
Registered business address	34, Cocos Drive, Bibra Lake, WA 6163
DWER file number	APP-0029318
Duration	22/10/2025 to 21/10/2030
Date of issue	22/10/2025
Premises details	HazRad Australia Legal description - Eastern third of Lot 4, Plan 18018; Volume 117; Folio 833 WATTLEUP WA 6166

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed production / design capacity
Category 61 - Liquid waste facility: premises on which liquid waste produced on other premises (other than sewerage waste) is stored, reprocessed, treated or irrigated.	20,000 tonnes per annual period
Category 61A - Solid waste facility: premises (other than premises within category 67A) on which solid waste produced on other premises is stored, reprocessed, treated, or discharged onto land.	20,000 tonnes per annual period
Category 62 - Solid waste depot: premises on which waste is stored, or sorted, pending final disposal or re-use.	20,000 tonnes per annual period

This works approval is granted to the works approval holder, subject to the attached conditions, on 22 October 2025, by:

Grace Heydon

MANAGER, WASTE INDUSTRIES

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

Works approval history

Date	Reference number	Summary of changes
22/10/2025	W3025/2025/1	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 / installation requirements;
 - (c) at the corresponding infrastructure location; and
 - (d) within the corresponding timeframe,
 as set out in Table 1.

Table 1: Design, construction and installation requirements

	Infrastructure	Design and construction / installation requirements	Infrastructure location
1.	Packaged waste stores	(a) The area must be bunded, provided with shelter structures, and constructed with a hardstand made of concrete, asphalt, cement, or bituminous material. (b) Shelter structures must be designed and constructed to prevent stormwater ingress to packaged waste storage stores.	Schedule 3: Construction layouts Figure 2
2.	Product Destruction Unit	(a) The PDU must be installed in accordance with manufacturers recommendations and must consist of all components as depicted in site layout. (b) The unit must be fully enclosed, with bunded flooring. (c) The facility must include adequate ventilation, dust suppression, and odour control systems.	Schedule 2: Premises boundary Figure 3: Product Destruction Unit
3.	Vehicle / Truck unloading area	(a) The area must be bunded, provided with shelter structures, and constructed with a hardstand made of concrete, asphalt, cement, or bituminous material. (b) The facility must have a drainage system to manage any liquid runoff. (c) Clear signage, lighting, safety barriers and traffic control measures to ensure safe and efficient vehicle movement.	Schedule 3: Construction layouts Figure 2: Site plan
4.	Vacuum Tankers	(a) Must be constructed from corrosion-resistant materials. (b) Equipped with spill kits and emergency response equipment.	Schedule 3: Construction layouts Figure 2: Site plan

	Infrastructure	Design and construction / installation requirements	Infrastructure location
		(c) The tank capacity must be clearly marked.	
5.	Waste receipt, inspection and sorting area	(a) The area must be bunded, provided with shelter structures, and constructed with a hardstand made of concrete, asphalt, cement, or bituminous material. (b) All drainage from the waste handling area must be directed to a dedicated leachate collection / treatment system, with no discharge to stormwater. (c) A clearly defined inspection point must be designated at the entry. (d) Non-conforming waste must be segregated and quarantined in a designated, clearly marked area for further action. (e) All sorting systems must be designed to minimize generation of dust, odor, and noise. (f) The area must be clearly signposted with instructions for vehicle movement, PPE requirements, and waste acceptance criteria.	Schedule 3: Construction layouts Figure 2: Site plan
6.	Bin storage area	(a) The area must be bunded, provided with shelter structures, and constructed with a hardstand made of concrete, asphalt, cement, or bituminous material. (b) All bins must be covered or sealed and clearly labelled with waste type. (c) Storage areas must be defined so that Incompatible wastes are stored separately with clear physical separation to prevent accidental mixing or chemical reactions. (d) Must be accessible only to authorized personnel, with clear signage, fencing, and access control where required. (e) Emergency spill kits, fire extinguishers, and first aid equipment must be readily available nearby.	Schedule 3: Construction layouts Figure 2: Site plan
7.	Various monitoring equipment	(a) All monitoring systems must be installed in accordance with relevant Australian Standards. (b) Monitoring instruments must be calibrated, securely mounted, and protected from weather and mechanical damage. (c) Alarms must be in place to notify operators of critical exceedance.	Schedule 3: Construction layouts Figure 2: Site plan

	Infrastructure	Design and construction / installation requirements	Infrastructure location
8.	Emergency response equipment	(a) The facility must install the following emergency response equipment: (i) Spill response kits (ii) Fire extinguishers (iii) First aid kits (iv) Emergency eye wash and safety shower stations (v) Gas detectors with alarms (vi) Portable bunds and absorbent barriers (vii) Personal protective equipment (PPE) (viii) Emergency communication systems (b) Must be strategically located throughout the facility (c) Must be clearly signposted and accessible at all times	Schedule 3: Construction layouts Figure 2: Site plan
9.	DG Container Storage	(a) The area must be bunded, provided with shelter structures, and constructed with a hardstand made of concrete, asphalt, cement, or bituminous material. (b) All containers must be; (i) Approved for DG storage (ii) Chemically compatible with the content (iii) Clearly labelled with the correct hazard symbols and DG class. (c) Physical separation; barriers, distance, or separate bunds must be provided where required. (d) The area must be locked and restricted to authorised, trained personnel only. (e) Must be naturally or mechanically ventilated. (f) Fitted with clearly visible signage ; DG class labels, No smoking signs, Emergency contact details. (g) Spill kits and fire-fighting equipment and emergency eye wash must be located nearby. (h) Storage areas must be inspected weekly for leaks, damage, or unauthorized access. (i) Maximum capacity for DG should be 16 kL	Schedule 3: Construction layouts Figure 2: Site plan
10.	Sea Container Storage	(a) All sea containers must be free from corrosion or structural damage.	Schedule 3: Construction layouts

	Infrastructure	Design and construction / installation requirements	Infrastructure location
		(b) Must be watertight and made of non-combustible materials. (c) Containers storing DG or controlled waste must be fit-for-purpose and chemically compatible with the stored material. (d) Where used for the storage of DGs or liquid waste sea containers must be placed within a bunded containment area. (e) Containers used for the storage of chemicals or DGs must be adequately ventilated. (f) Containers storing hazardous materials must display by labels, container ID and contents.	Figure 2: Site plan
11.	Bulk liquid Storage (ISO's)	(a) All tanks used must comply with ISO standards and be constructed from chemically compatible materials. (b) Must be stored within a bunded area and on a level, hardstand made from impermeable materials. (c) Must be clearly labelled. (d) Install level gauges or sensors to monitor tank contents. (e) The storage area must be well ventilated. (f) Must be inspected for signs of leaks, corrosion and pressure and maintain records.	Schedule 3: Construction layouts Figure 2: Site plan
12.	Firefighting infrastructure	(a) Fire hydrant must be installed at the premises that meets AS 2419 requirements. (b) Fire hose reels installed throughout the buildings must meet AS 2441 requirements. (c) Additional portable fire extinguishers (DCP) must be installed on the forklifts and any mobile equipment. (d) Portable fire extinguishers must be installed throughout the building as appropriate within any specific high-risk areas. (e) Install exit signage throughout the buildings in accordance with BCA Part E4 and AS 2293.1:2018.	Schedule 3: Construction layouts Figure 2: Site plan
13.	Hot Wash Drum Cleaner Pressure Unit	(a) Must be installed on a bunded, impermeable hardstand surface (b) The unit must include an integrated or adjacent wastewater collection and	Schedule 3: Construction layouts Figure 2: Site plan

	Infrastructure	Design and construction / installation requirements	Infrastructure location
		treatment system.	
14.	Taylex concrete ABS 1500 and poly PABS 1500	(a) Must be constructed in accordance with the approved design and specifications submitted to the Department of Health.	Schedule 3: Construction layouts Figure 4: Taylex PABS 1500 and Figure 5: Taylex Concrete ABS 1500

2. 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; and
 - (d) within the corresponding timeframe,
- as set out in Table 2.

Table 2: Critical containment infrastructure design and construction requirements

	Infrastructure	Design and construction requirements	Infrastructure location
1.	Chemical treatment and absorption/immobilization (Wedge pits)	(a) Pits must be constructed above the seasonal high-water table. (b) All treatment and absorption/immobilisation pits must be constructed with a lining system demonstrating a permeability of at least 1×10^{-9} m/s. (c) Pits must be fitted with weatherproof covers or retractable shelters to prevent stormwater ingress and windblown dispersal of materials. (d) Run-off controls must be implemented around the perimeter to prevent flooding or washout	Schedule 3: Construction layouts Figure 2: Site plan

Compliance reporting

3. 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
 - (b) prepare and submit to the CEO an Environmental Compliance Report on that compliance.
4. The Environmental Compliance Report required by condition 3, must include as a minimum the following:
- (a) certification by a 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.
- 5. The works approval holder must within 30 calendar days of an item of infrastructure or equipment required by condition 2 being constructed and installed:
 - (a) undertake an audit of their compliance with the requirements of condition 2; and
 - (b) prepare and submit to the CEO a Critical Containment Infrastructure Report on that compliance on that compliance
- 6. The Critical Containment Infrastructure Report required by condition 5, must include as a minimum the following:
 - (a) certification by a civil engineer that the items of infrastructure or component(s) thereof, as specified in condition 2, has been constructed in accordance with the relevant requirements specified in condition 2;
 - (b) as constructed plans and a detailed site plan for each item of infrastructure or component of infrastructure specified in condition 2; and
 - (c) be signed by a person authorised to represent the works approval holder and contains the printed name and position of that person.

Time limited operations phase

Commencement and duration

- 7. 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.
- 8. The works approval holder may only commence time limited operations for an item of critical containment infrastructure identified in condition 2:
 - (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 6 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 5 has been submitted to the CEO.
- 9. The works approval holder may conduct time limited operations for an item of infrastructure specified in condition 1 and condition 2:
 - (a) In relation to condition 1, for a period not exceeding 180 calendar days from the day the works approval holder meets the requirements of condition 3 for that item of infrastructure: and
 - (b) In relation to condition 2, for a period not exceeding 180 calendar days from the day the works approval holder meets the requirements of condition 5 for that item of infrastructure: or
 - (c) until such time as a licence for that item of infrastructure is granted in accordance with Part V of the Environmental Protection Act 1986, if one is granted before the end of the period specified in condition 9(a) and 9(b).

Time limited operations requirements

10. The works approval holder must only accept waste that:
- (a) the quantity accepted is below the quantity limit specified in Table 2: Critical containment infrastructure design and construction requirements; and
 - (b) meets the relevant acceptance specification, as set out in Table 2

Table 2: Waste Acceptance criteria

Waste Type	Quantity limit (Tonnes per annual period)	Acceptance Specification
Acids & alkalis	250	Packaged wastes
Coolants, detergents, surfactants, emulsifiers and wetting agents	150	
Cyanides	150	
Drums/containers contaminated with controlled waste residues	80	
Food waste	6000	
Greases, tars & creosotes	150	
Herbicides & pesticides	120	
Lead contaminated waste	180	
Metal bearing waste	70	
Oil sludge & oil contaminated solids, filters and hoses	250	
Oxidisers & reducing agents	50	
Pharmaceutical wastes	30	
Solvents, paint & resins (nonflammable only)	850	
Asbestos	1	

Monitoring during time limited operations

11. The licence holder must record the total amount of waste accepted onto the premises, for each waste type listed in Table 3, in the corresponding unit, and for each corresponding time period, as set out in Table 3.

Table 3: Waste accepted onto the premises

Waste type	Unit	Time period
Acids & alkalis		
Coolants, detergents, surfactants, emulsifiers and wetting agents		

Cyanides	Tonnes (where a weighbridge is present on the site)	For the duration of time limited operation
Drums/containers contaminated with controlled waste residues		
Food waste		
Greases, tars & creosotes		
Herbicides & pesticides		
Lead contaminated waste		
Metal bearing waste		
Oil sludge & oil contaminated solids, filters and hoses		
Oxidisers & reducing agents		
Pharmaceutical wastes		
Solvents, paint & resins (nonflammable only)		
Asbestos		

12. The licence holder must record the total amount of waste removed from the premises, for each waste type listed in Table 4, in the corresponding unit, and for each corresponding time period set out in Table 4

Table 4: Waste removed from the premises

Waste type	Unit	Time period
Acids & alkalis	Tonnes (where a weighbridge is present on the site)	For the duration of time limited operation
Coolants, detergents, surfactants, emulsifiers and wetting agents		
Cyanides		
Drums/containers contaminated with controlled waste residues		
Food waste		
Greases, tars & creosotes		
Herbicides & pesticides		
Lead contaminated waste		
Metal bearing waste		
Oil sludge & oil contaminated solids, filters and hoses		

Oxidisers & reducing agents		
Pharmaceutical wastes		
Solvents, paint & resins (nonflammable only)		
Asbestos		

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

Table 5: Infrastructure and equipment requirements during time limited operations

Site infrastructure and equipment	Operational requirement	Infrastructure location
Packaged waste stores	Must be maintained in good condition to prevent leakage, odour, and contamination.	Schedule 3: Construction layouts Figure 2: Site plan
Product Destruction Unit	Must be operated and maintained to prevent unintended emissions; maintenance activities should be documented and recorded regularly.	Schedule 3: Construction layouts Figure 3: Product Destruction Unit
Vacuum Tankers	Regular inspections must be conducted to check for leaks, and all findings must be recorded and acted upon as necessary.	Schedule 3: Construction layouts Figure 2: Site plan
Chemical treatment and absorption/ immobilization pits	Routine inspections must be performed for lining and leaks, and the records must be available upon request.	Schedule 3: Construction layouts Figure 2: Site plan
Various monitoring equipment	All monitoring data must be continuously recorded and stored securely. Monitoring equipment must be regularly serviced, maintained, and calibrated.	Schedule 3: Construction layouts Figure 2: Site plan
Emergency response equipment	All emergency response equipment must be-inspected at least monthly for expiry or damage.	Schedule 3: Construction layouts Figure 2: Site plan
DG Container Storage	Regular inspections must be conducted to check for leaks.	Schedule 3: Construction layouts Figure 2: Site plan

Bulk liquid Storage (ISO's)	Must be inspected regularly for corrosion/leakage.	Schedule 3: Construction layouts Figure 2: Site plan
Taylex concrete ABS 1500 and poly PABS 1500	Operated and maintained according to manufacturer's specification; checked regularly for structural integrity. Operated and maintained according to manufacturer's specs; monitored for chemical compatibility and leaks.	Schedule 3: Construction layouts Figure 4: Taylex PABS 1500 and Figure 5: Taylex Concrete ABS 1500

Waste processing

14. The works approval / licence holder must ensure that the waste types specified in Table 6 are only subjected to the corresponding process(es), subject to the corresponding process limits and/or specifications.

Table 6: Waste processing requirements during time limited operations

Waste type	Process(es)	Process limits and/or specifications
All category 61 liquids listed in Table 2	Treatment via absorption, immobilization, encapsulation or stabilization Storage prior to disposal by landfilling offsite	Treated and untreated wastes must be stored in low-permeability bunded areas with spill containment capacity of at least 110% of the largest storage container. Wastes must be stored so that incompatible waste types are incapable of mixing. Treatment of wastes must only occur within the Wedge pits as depicted in Schedule 3: Construction layouts Figure 2: Site plan Wastes must be treated so as to be rendered 'spadable' as defined in the Landfill Definitions. Wastes must be classified in accordance with the Landfill Definitions to determine which Class of landfill the waste can be disposed of to. Treated waste must not leave the premises until the waste has been classified in accordance with the Landfill Definitions.
Food waste	Destruct by PDU, separate, storage and disposal by landfilling	Packaged waste only.
Drums/containers contaminated with controlled waste residues	Hotwash, storage and disposal by landfilling	The HotWash drum cleaning process must be carried out in bunded and covered areas to prevent stormwater ingress and accidental discharge. The rinsate must be treated as hazardous waste, consolidated, and disposed of appropriately.
Dangerous goods	Receipt, handling and storage prior to offsite	Waste must be stored only in approved Dangerous Goods containers, kept in a bunded

	disposal	area with shelter structures, and placed on a hardstand as Schedule 3: Construction layouts Figure 2: Site plan. Must be sent to an appropriately licensed facility
Asbestos	Properly wrapped, labelled, and ready for safe disposal at a licensed facility	Must be stored in a dedicated 12 m ³ skip bin and laydown area Must be sent to an appropriately licensed facility

Compliance reporting

15. 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.
16. The works approval holder must ensure the report required by condition 13 includes the following:
 - (a) a summary of the time limited operations, including timeframes and amount of waste processed;
 - (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)

17. 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.
18. 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 and condition 2
 - (b) any maintenance of infrastructure that is performed in the course of complying with condition 1 and condition 2
 - (c) monitoring programmes undertaken in accordance with condition 11; and
 - (d) complaints received under condition 15.
19. The books specified under condition 5 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 have the meanings defined.

Table 1: Definitions

Term	Definition
annual period	a 12 month period commencing from [day month] until [day month] of the immediately following year.
AS 2419	AS 2419.1:2021 – Fire Hydrant Installations, Part 1: System Design, Installation and Commissioning
AS 2441	AS 2441:2005 – Installation of Fire Hose Reels
AS 2293	Means and AS 2293.1:2018 Emergency Lighting and Exit Signs for Buildings
BCA Part E4	BCA Part E4 – Visibility in an Emergency, Exit Signs and Warning Systems
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
critical containment infrastructure	means the items of infrastructure listed in condition 2.
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 <i>Public Sector Management Act 1994</i> and designated as responsible for the administration of Part V Division 3 of the EP Act.
DG	Dangerous Goods
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 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</i> (WA).

Term	Definition
EP Regulations	<i>Environmental Protection Regulations 1987 (WA).</i>
Landfill Definitions	Means the <i>Landfill Waste Classification Waste Definitions 2019</i>
premises	the premises to which this licence applies, as specified at the front of this licence and as shown on the premises map (Figure 1) in Schedule 1 to this works approval.
prescribed premises	has the same meaning given to that term under the EP Act.
time limited operations	refers to the operation of the infrastructure and equipment identified under this works approval that is authorised for that purpose, subject to the relevant conditions.
waste	has the same meaning given to that term under the EP Act.
works approval	refers to this document, which evidences the grant of the works approval by the CEO under section 54 of the EP Act, subject to the conditions.
works approval holder	refers to the occupier of the premises being the person to whom this works approval has been granted, as specified at the front of this works approval.

END OF CONDITIONS

Schedule 1: Maps

Premises map

The boundary of the prescribed premises is shown in the map below.



Figure 1: Map of the boundary of the prescribed premises

W3025/2025/1 (22 October 2025)

IR-T05 Works approval template (v6.0) (September 2022)

Schedule 2: Premises boundary

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

Table 2: Premises boundary coordinates (GDA2020)

	Easting	Northing	Zone
1.	6440116.32424	386520.86577	50
2.	6440117.23502	386612.23402	50
3.	6440036.19922	386613.13978	50
4.	6440029.13730	386606.24045	50
5.	6440033.96765	386522.63575	50

Schedule 3: Construction layouts

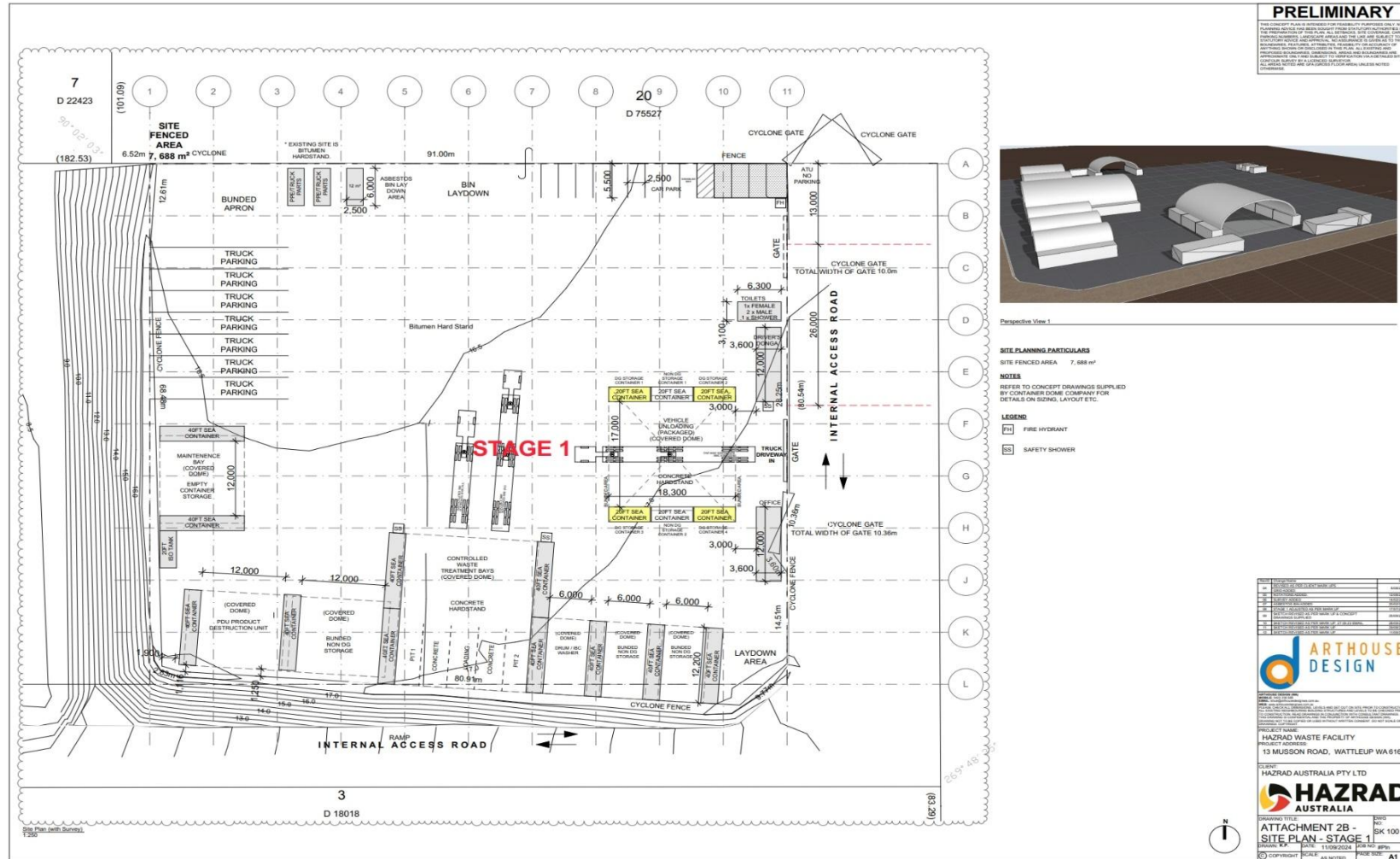
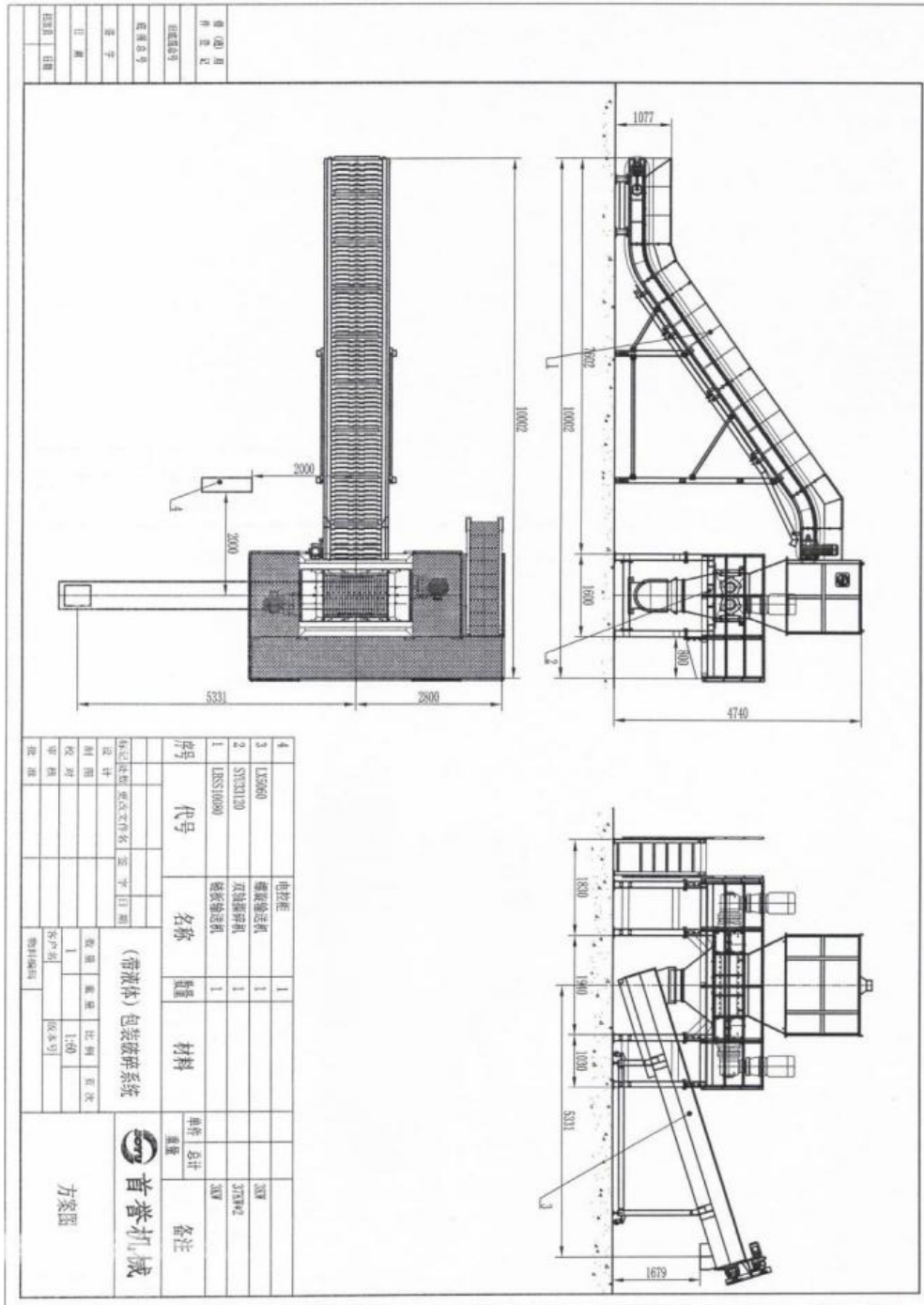


Figure 2: Site plan

W3025/2025/1 (22 October 2025)

IR-T05 Works approval template (v6.0) (September 2022)

1. Equipment Layout


[Http://www.shredder-3e.com](http://www.shredder-3e.com)

Tel: (+86) 0512-52408451

Fax: (+86) 0512-52408450

Address: Wangyuhe Bridge Industrial Zone, Liantang Shanghu Town, Changshu Suzhou City, Jiangsu Province, China

Figure 3: Product Destruction Unit

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IR-T05 Works approval template (v6.0) (September 2022)

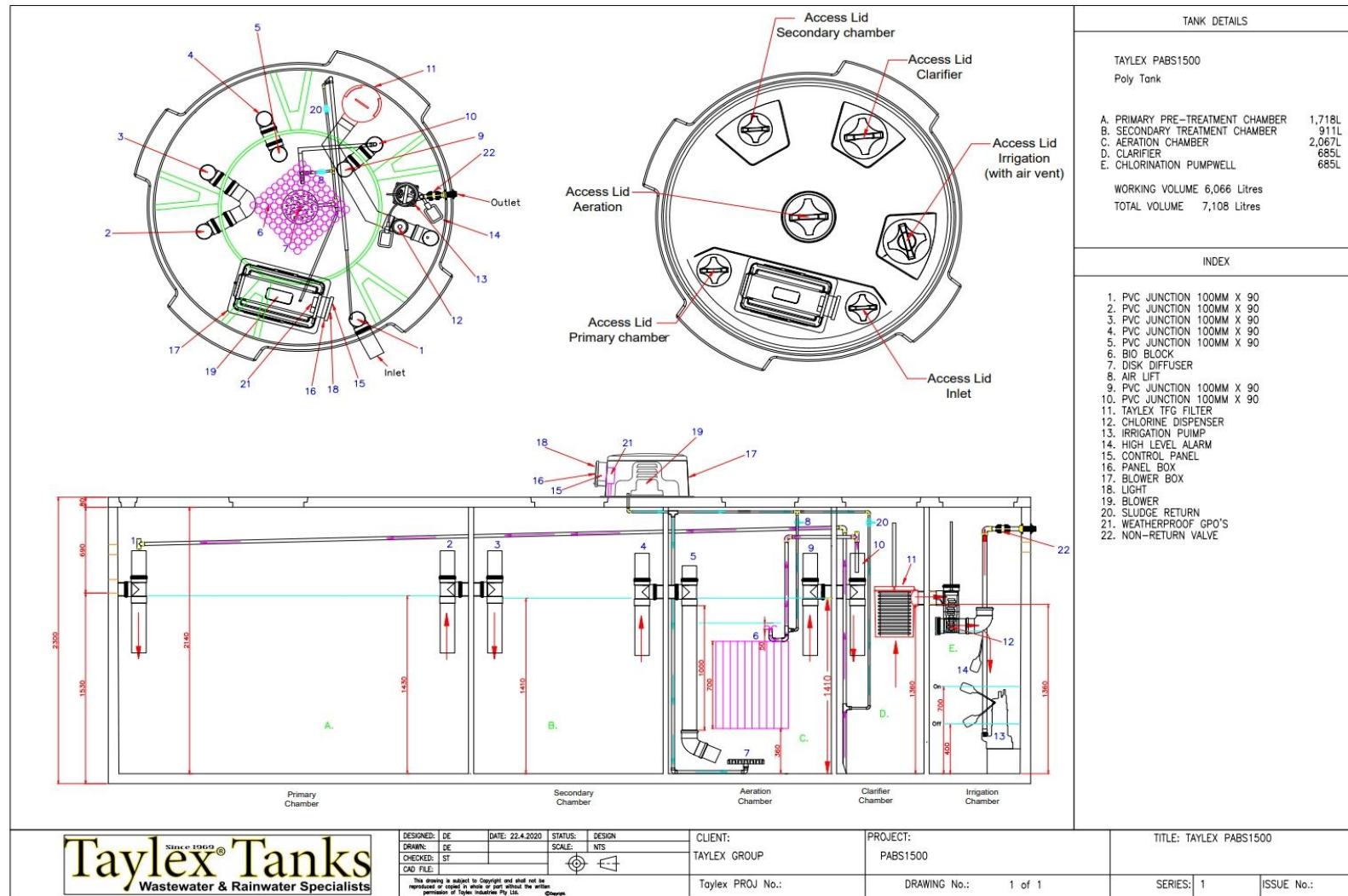


Figure 4: Taylex PABS 1500

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IR-T05 Works approval template (v6.0) (September 2022)

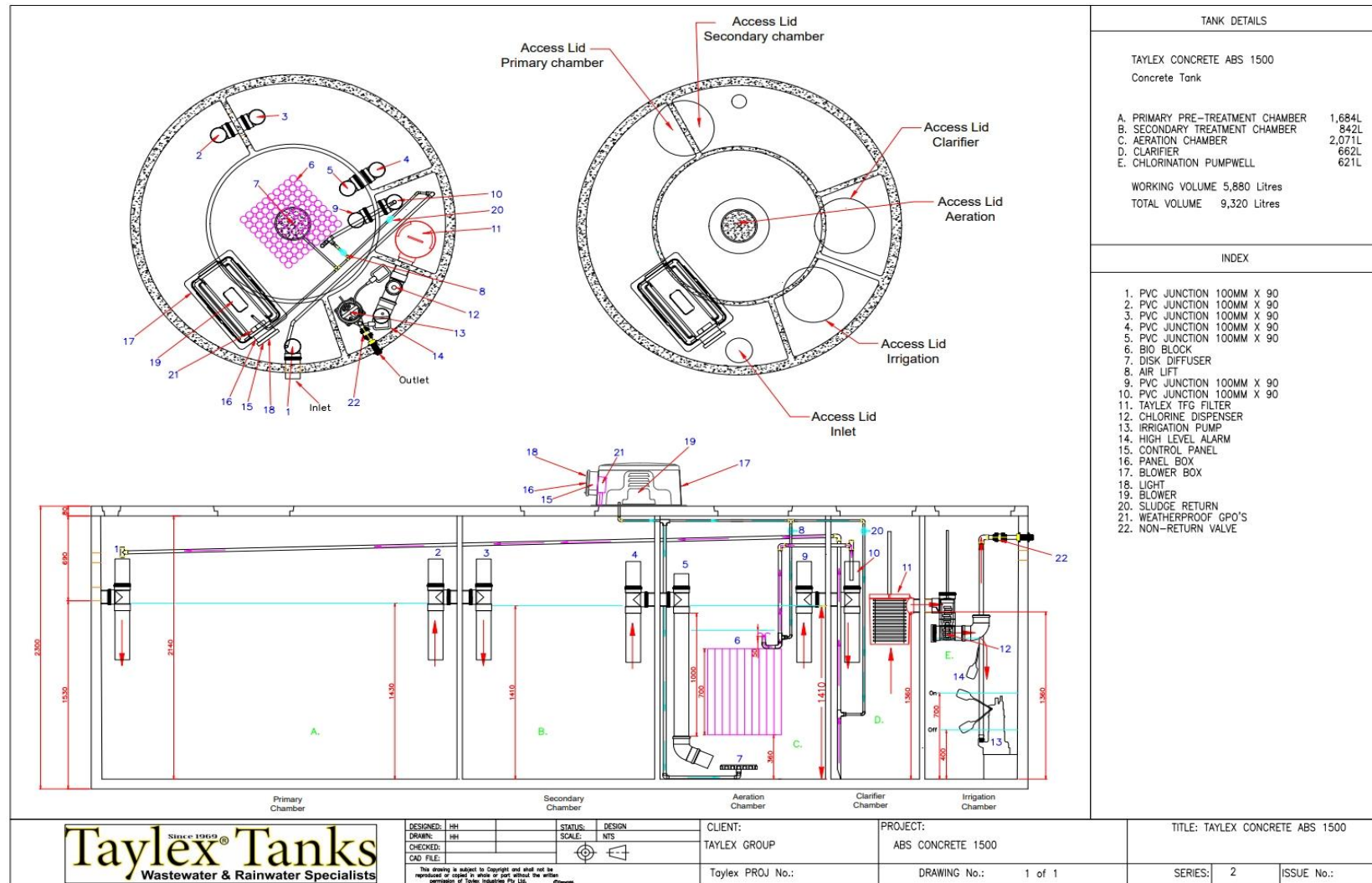


Figure 5: Taylex Concrete ABS 1500

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IR-T05 Works approval template (v6.0) (September 2022)