Government of Western Australia
Department of Water and Environmental Regulation

Works Approval

Works approval number	W6820/2023/1
Works approval holder	Tyrecycle Pty Ltd
ACN	085 545 053
Registered business address	30-56 Encore Avenue SOMERTON VIC 3062
DWER file number	DER2023/000378
Duration	16/04/2024 to 16/04/2029
Date of issue	16/04/2024
Premises details	Tyrecycle Rockingham 371 Mandurah Road EAST ROCKINGHAM WA 6168 Legal description - Part of Lot 850 on Deposited Plan 415740 As defined by the coordinates in Schedule 1

Prescribed premises category description (Schedule 1, *Environmental Protection Regulations 1987*)	**Assessed production capacity**
Category 57 Used tyre storage (general): premises (other than premises within category 56) on which used tyres are stored.	23,529 tyres at any one time
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.	42,104 tonnes per annum

This works approval is granted to the works approval holder, subject to the attached conditions, on 16 April 2024, by:

Abbie Crawford

Digitally signed by Abbie Crawford
Date: 2024.04.16 12:30:29 +08'00'

Abbie Crawford
A/SENIOR 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
16/04/2024	W6820/2023/1	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:

Fire and emergency management

1. The works approval holder must implement a Fire and Emergency Management Plan prepared by a suitably qualified fire management consultant that is consistent with Australian Standard AS 3745. The plan must include, but not be limited to:

(a) how fires will be prevented, detected, responded to, suppressed, contained and controlled for all approved activities addressing all waste types and stages of the waste handling, sorting and storage process;

(b) in the event of a fire occurring within the approved activities, how impacts to the environment and human health will be mitigated;

(c) how offsite discharge of filtered firewater will be managed to ensure the stormwater retention basin does not overflow;

(d) how staff will be trained in fire and emergency response on an ongoing, annual basis;

(e) the firefighting equipment and fire response capabilities and responsibilities;

(f) premises maps depicting:

(i) fire hose reels, hydrants, sprinklers and isolation points;
(ii) electrical isolation points;
(iii) drainage;
(iv) system shutdown points; and
(v) fire response crew entry points.

(g) facility plans depicting:

(i) tyre stockpile locations and sizes; and
(ii) actual onsite separation distances.

(h) how the fire and emergency management requirements specified in Table 1 will be complied with.

Construction phase

Infrastructure and equipment

2. The works approval holder must:

(a) construct and/or install the infrastructure and/or equipment;

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

as set out in Table 1.

Table 1: Construction and installation requirements

Item	Infrastructure and equipment	Construction and installation requirements	Location
1.	Warehouse	• Stacks are to be constructed to a minimum height of 5.2 metres. • Baghouse filters are to be fitted to each stack.	Schedule 1, Figure 6

Item	Infrastructure and equipment	Construction and installation requirements	Location
2.	1 x Eldan Tyre Recycling Plant	• Constructed and installed within the warehouse as per manufacturer's specifications. • Plant to consist of: o One tyre feeder; o One chopper (primary shredder); o Two rasper units (secondary shredders); o Two granulator units; o Two classifier units; o Three airslide blower units; o One cracker mill; o One aspirator; o One flex screener; and o One disc screener.	Schedule 1, Figure 3
3.	Fire suppression system	• Designed in accordance with Australian Standard AS 2419.1. • Constructed in accordance with Schedule 1, Figure 4. • The fire suppression system must have a minimum water supply and capacity that provides each fire hydrant with 10 L/sec for a minimum of four hours. • Portable fire extinguishers and a fire hose reel system shall be provided in accordance with Australian Standard AS 2444 and Australian Standard AS 2441.	Schedule 1, Figure 4
4.	External yard area	• To be sealed with bitumen to ensure a permeability of ≤1x10^{-9} m/sec and be free of leaks and defects. • To be contoured to direct all water away from entry and exit points and the premises boundary and into the subsurface drainage pipelines. • Drainage pipelines to direct all water into the Atlan Spillceptor, once installed. • Existing concrete barrier kerbing to be retained and new concrete barrier kerbing to be installed along all external fence lines and/or boundary lines and be free of leaks and defects. • Subsurface drainage system is to be sealed to prevent discharges from the premises, until such time as the Atlan Spillceptor is installed as per condition 2, Table 1, item 9.	Schedule 1, Figure 5

Item	Infrastructure and equipment	Construction and installation requirements	Location
5.	Tyre storage bunkers	• Only four tyre storage bunkers are permitted in the yard, on the eastern side of the premises. • Tyre bunkers must: (a) be constructed in pairs, side-by-side, and facing opposite a second pair of bunkers, also side-by-side; (b) be separated from the opposite pair of bunkers by 18 m; (c) have fire walls installed to three sides of the bunkers, with the fourth side being open and facing inwards towards the other pair of bunkers; (d) have an internal mark on the three walls depicting the 2.7 m height limit for tyre storage; (e) have an internal fire wall that separates a pair of tyre bunkers, constructed to a height of 4.85 m and rated to a fire resistance level of 240/240/240; (f) have external fire walls that face the warehouse, constructed to a height of 3.0 m and rated to a fire resistance level of 180/180/180, plus maintain a separation distance of 18 m from the warehouse; and (g) have external fire walls that face the premises boundary, constructed to a height of 3.0 m and rated to a fire resistance level of 180/180/180, plus maintain a separation distance of 6 m from the premises boundary.	Schedule 1, Figure 2
6.	Spill management	• Spill kits are to be provided.	N/A
7.	Signage	• Signage is to be installed at the front of the premises that contains important information for first responders, including: (a) stormwater drainage maps and identification of key drainage points and the Atlan Spillceptor filtration system; and (b) after hours details with the up-to-date names and phone numbers of contact people in case of emergency.	N/A
8.	Site access points	A minimum of two site access points must be constructed, unless otherwise approved by the Department of Fire and Emergency Services.	N/A
9.	Atlan Spillceptor firewater	• One Atlan Spillceptor filtration tank system to be constructed and installed as per	Schedule 1, Figure 6

Item	Infrastructure and equipment	Construction and installation requirements	Location
	filtration system	manufacturer specifications. • Firewater and stormwater generated within the premises is to be directed into the subsurface drainage system pipelines then piped into the tanks of the Atlan Spillceptor. • Filtered water from the Atlan Spillceptor is to be discharged into the stormwater retention basin located adjacent to the premises, within Lot 850 on Deposited Plan 415740 and Lot 804 on Deposited Plan 70633 (see Schedule 1, Figure 1).	

Compliance reporting

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

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

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

4. The Environmental Compliance Report required by condition 3 must include as a minimum the following:

(a) certification by a suitably qualified structural engineer that the items of infrastructure or components thereof, as specified in condition 2, have been constructed in accordance with the relevant requirements specified in condition 2;

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

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

Time limited operations – Reduced rates of waste acceptance

Commencement and duration

5. The works approval holder may only commence time limited operations for reduced rates of waste acceptance where the Environmental Compliance Report as required by condition 3 has been submitted by the works approval holder to the CEO for items 1 to 8 of the infrastructure identified in condition 2, table 1.

6. The works approval holder may conduct time limited operations for reduced rates of waste acceptance:

(a) for a period not exceeding 120 calendar days from the day the works approval holder meets the requirements of condition 5; 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 6(a).

Time limited operations

7. The works approval holder must only accept onto the premises waste of a waste type, which does not exceed the corresponding rate at which waste is received, and which meets the corresponding acceptance specification set out in Table 2.

Table 2: Reduced rates of waste acceptance

Waste type	Rate at which waste is received	Acceptance specification
Inert Waste Type 1 (Tyres)	295 truck tyres at any one time OR 1,470 passenger tyres at any one time	Whole, unburnt passenger and truck tyres.
ULABs	78 tonnes per annum	Accepted for storage only, prior to transportation to a licensed premises for disposal or recycling.
Oil filters	26 tonnes per annum	

8. The works approval holder must ensure that the waste types specified in Table 3 are only subjected to the corresponding processes and specifications set out in Table 3.

Table 3: Reduced rates of waste processing

Waste type	Process	Process specification
Inert Waste Type 1 (Tyres)	Receipt, handling, shredding and storage	• Storage of tyres is not permitted in the external yard area. • Tyre shredding to occur within the warehouse. • Tyres stored in the warehouse must be on their sidewalls. • Reprocessed rubber crumb and granular product is to be discharged from the processing plant directly into 1 tonne bulker bags and stored in pallet racking within the warehouse, prior to off-site dispatch to customers. • 1 tonne bulker bags are to be stored on the bottom shelf only of the warehouse pallet racking, with one empty bay retained between bulker bags. • Reprocessed rubber shred and chip for the purpose of tyre derived fuel product is to be discharged directly into shipping containers prior to immediate off-site transportation for export.
ULABs	Receipt, handling and storage prior to transport off site	• Stored at the premises for no more than 13 days. • Stored at a designated ULAB storage area, within the warehouse. • Stored upright within prefabricated, self-bunded Battery Rescue ULAB boxes, with a maximum of four layers of ULAB's per battery box. • Each pallet to be clipped closed prior to transportation offsite.

Waste type	Process	Process specification
Oil filters	Receipt, handling and storage prior to transport off site	• Stored at the premises for no more than 13 days. • Stored at a designated oil filter storage area, within the warehouse. • Stored within sealed, bunded containers.

Time limited operations – Full rates of waste acceptance

Commencement and duration

9. The works approval holder may only commence time limited operations for full rates of waste acceptance, where:

(a) the Environmental Compliance Report, as required by condition 3, has been submitted by the works approval holder to the CEO for item 9 of the infrastructure identified in condition 2, Table 1; and

(b) where the CEO has notified the works approval holder that the Environmental Compliance Report meets the requirements of condition 2; or

(c) where at least 30 business days have passed after the Environmental Compliance Report was submitted to the CEO.

10. The works approval holder may conduct time limited operations for full rates of waste acceptance:

(a) for a period not exceeding 120 calendar days from the day the works approval holder meets the requirements of condition 9; 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 6(a).

Time limited operations

11. The works approval holder must only accept onto the premises waste of a waste type, which does not exceed the corresponding rate at which waste is received, and which meets the corresponding acceptance specification set out in Table 4.

Table 4: Full rates of waste acceptance

Waste type	Rate at which waste is received	Acceptance specification
Inert Waste Type 1 (Tyres)	23,529 tyres at any one time	Whole, unburnt passenger and truck tyres.
Cut rubber pieces	12,000 tonnes per annum	Cut rubber pieces originating from the Wedgefield premises being constructed under works approval W6821/2023/1.
ULABs	78 tonnes per annum	Accepted for storage only, prior to transportation to a licensed premises for disposal or recycling.
Oil filters	26 tonnes per annum	

12. The works approval holder must ensure that the waste types specified in Table 5 are only subjected to the corresponding processes and specifications set out in Table 5.

Table 5: Full rates of waste processing

Waste type	Process	Process specification
Inert Waste Type 1 (Tyres) and Rubber pieces	Receipt, handling, shredding and storage	• Tyre shredding to occur within the warehouse. • Tyre and rubber stacks within bunkers must not exceed: (a) 2.7 metres in height; (b) 50 tonnes of tyres; and (c) 240 m^2 in area. • Tyres are not to be stored within the warehouse. • Tyres and rubber pieces received from Wedgefield must be stored within the bunkers. • Open-frame pallet racks are not to exceed 7 m in height. • Tyres must be processed within 72 hours of receipt at the premises. • Reprocessed rubber crumb and granular product is to be discharged from the processing plant directly into 1 tonne bulker bags and stored in pallet racking within the warehouse, prior to off-site dispatch. • Reprocessed rubber shred and chip for the purpose of tyre derived fuel product is to be discharged into loading bays within the warehouse, prior to loose loading into shipping containers for storage outside in the yard, prior to off-site transportation for export.
ULABs	Receipt, handling and storage prior to transport off site	• Stored at the premises for no more than 13 days. • Stored at a designated ULAB storage area, within the warehouse. • Stored upright within prefabricated, self-bunded Battery Rescue ULAB boxes, with a maximum of four layers of ULAB's per battery box. • Each pallet to be clipped closed prior to transportation offsite.
Oil filters	Receipt, handling and storage prior to transport off site	• Stored at the premises for no more than 13 days. • Stored at a designated oil filter storage area, within the warehouse. • Stored within sealed, bunded containers.

Time limited operations

Time limited operations

Time limited operations

13. The works approval holder must ensure that the premises infrastructure and equipment listed in Table 6 is maintained and operated in accordance with the corresponding operational requirement set out in Table 6, during all stages of time limited operations.

Table 6: Infrastructure and equipment requirements during time limited operations

	Infrastructure and equipment	Operational requirement
1.	Warehouse	• Concrete floor to be free of leaks and defects. • Concrete floor to be maintained to ensure a permeability of ≤1x10^{-9} m/sec. • Baghouse filters to be maintained as per manufacturer's specifications. • 6 m clearance to be maintained externally around the building. • One metre clearance to be maintained internally within the building along paths of travel to exits and firefighting equipment.
2.	1 x Eldan Tyre Recycling Plant (see Figure 3)	• To be operated within the warehouse as per manufacturer's specifications. • Maintained as per manufacturer's specifications.
3.	Fire suppression system (see Figure 4)	• To be operated within the external yard area and the warehouse. • Maintained as per manufacturer's specifications.
4.	External yard area (see Figure 5)	• Bitumen yard to be free of leaks and defects. • Subsurface drainage system is to be maintained free of debris and free of leaks and defects. • Tyre bunker walls are to be maintained to ensure compliance with the fire resistance levels. • Spill kits are to be restocked and maintained as necessary. • Adequate spill management practices are to be conducted on an as-needs basis. • Signage at the front of the premises is to be maintained with up to date information for first responders. • Site access points are to be kept clear and maintained to ensure adequate access by emergency response vehicles.
5.	Atlan Spillceptor firewater filtration system (see Figure 6)	• Maintained as per manufacturer's specifications to achieve a filtration rate of 5 mg/L or less of hydrocarbons.

14. The works approval holder must ensure that no waste is burnt on the premises.

15. The works approval holder must immediately notify the CEO of:

    (a) any fire on the premises; and/or

    (b) any accident, malfunction, or emergency which results or could result in the discharge of fire-fighting wash water or other wastes from the premises.

16. The works approval holder must take all reasonable and practicable measures to prevent stormwater run-off becoming contaminated by the activities and operations undertaken at the premises.

17. The works approval holder shall immediately recover, or remove and dispose of, spills of fuel, oil or other hydrocarbons, lead or sulphuric acid, whether inside or outside an engineered containment system.

18. The works approval holder shall ensure that all material used for the recovery, removal, and/or disposal of spills is stored in an impermeable container prior to disposal at an appropriately authorised facility.

Emission points and limits during time limited operations

19. The works approval holder must ensure that the emissions specified in Table 7 are discharged only from the corresponding discharge points and only at the corresponding discharge locations.

Table 7: Authorised discharge points during time limited operations

Emission	Discharge point	Discharge point height	Discharge point location
Particulate matter	Stack S1	Minimum of 5.2 m	As shown in Figure 6
	Stack S2	Minimum of 5.2 m	As shown in Figure 6
Filtered firewater and/or stormwater	Exit pipeline from the Atlan Spillceptor	N/A	As shown in Figure 5

20. The works approval holder must ensure that the emissions from the discharge points listed in Table 8 do not exceed the corresponding limits when monitoring in accordance with condition 22 and condition 23.

Table 8: Emission and discharge limits during time limited operations

Discharge point	Parameter	Limit
Stack S1	Particulate matter	< 5.0 mg/m^3
Stack S2		
Exit pipeline from the Atlan Spillceptor	Total Recoverable Hydrocarbons	≤ 5.0 mg/L

Monitoring during time limited operations

21. The works approval holder must ensure that monitoring is undertaken in each quarterly period such that there are at least 45 days in between the days on which samples are taken in successive quarters.

22. The works approval holder must monitor emissions to air in accordance with the requirements specified in Table 9.

Table 9: Monitoring of emissions to air

Monitoring location	Parameter	Reporting unit [1]	Frequency	Averaging period	Method
Stack S1	PM_{10}	mg/m^3 g/sec	Quarterly	60 minutes	US EPA Method 201A
	TSP	-			US EPA Method 5
	Flow rate	m^3/sec			US EPA Method 2
Stack S2	PM_{10}	mg/m^3 g/sec	Quarterly	60 minutes	US EPA Method 201A
	TSP	-			US EPA Method 5
	Flow rate	m^3/sec			US EPA Method 2

Note 1: All units are referenced to STP dry.

23. The works approval holder must monitor discharges to land in accordance with the requirements specified in Table 10.

Table 10: Monitoring of discharges to land

Monitoring location	Parameter	Reporting unit	Frequency	Averaging period
Exit pipeline from the Atlan Spillceptor	Total Recoverable Hydrocarbons	mg/L	Once per annum [1]	Spot sample
	Total suspended solids			

Note 1: Sampling to be conducted within 24 hours of discharges commencing from the exit pipeline.

24. The works approval holder must record the total amount of waste accepted onto and removed from the premises, in accordance with the requirements specified in Table 11.

Table 11: Waste inputs and outputs at the premises

Waste type	Unit	Time period
Inert Waste Type 1 (Tyres)	Individual tyre	Each load arriving at the premises
Rubber pieces	Tonnes	
ULABs	Tonnes	
Oil filters	Tonnes	
Rubber shred, chip, crumb and granular product	Tonnes	Each load leaving the premises
Waste steel	Tonnes	
ULABs	Tonnes	
Oil filters	Tonnes	

Records and reporting

25. The works approval holder must submit the Fire and Emergency Management Plan required by condition 1 to the CEO:

(a) on or before 16 October 2024; or

(b) with an application for a licence to operate;

whichever occurs first.

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;

(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 2;

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

(c) monitoring programmes undertaken in accordance with conditions 22, 23 and 24; 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.

29. 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.

30. The works approval holder must ensure the report required by condition 29 includes the following:

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

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

(c) 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.

Definitions

In this works approval, the terms in Table 12 have the meanings defined.

Table 12: Definitions

Term	Definition
Australian Standard AS 2419.1	means Standards Australia *AS 2419.1 Fire hydrant installations Part 1: System design, installation and commissioning.*
Australian Standard AS 3745	means Standards Australia *AS 3745 Planning for emergencies in facilities.*
Australian Standard AS 4323.1	means Australian Standard AS 4323.1 *Stationary source emissions: selection of sampling positions.*
books	has the same meaning given to that term under the EP Act.
CEO	means Chief Executive Officer. CEO for the purposes of notification means: Director General Department administering the *Environmental Protection Act 1986* Locked Bag 10 Joondalup DC WA 6919 info@dwer.wa.gov.au
condition	a condition to which the works approval is subject under section 62 of the *Environmental Protection Act 1986.*
Department	means the department established under section 35 of the *Public Sector Management Act 1994* and designated as responsible for the administration of Part V Division 3 of the EP Act.
discharge	has the same meaning given to that term under the EP Act.
emission	has the same meaning given to that term under the EP Act.
Environmental Compliance Report	means a report to satisfy the CEO that the conditioned infrastructure and/or equipment has been constructed and/or installed in accordance with the works approval.
EP Act	*Environmental Protection Act 1986* (WA).
EP Regulations	*Environmental Protection Regulations 1987* (WA).
Fire and Emergency Management Plan	means a Fire and Emergency Management Plan that meets the requirements specified in condition 1 of this approval

Term	Definition
fire management consultant	means a person who: (a) holds a Bachelor of Engineering recognised by Engineers Australia; and (b) has a minimum of five years of experience working in a supervisory area of fire control system design, installation and commissioning; 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.
firewater	means water that, in the event of a fire, has been used to extinguish a fire, and all materials and combusting products dissolved or suspended within such water, and includes other fire suppressant substances such as foams.
premises	the premises to which this works approval applies, as specified at the front of this works approval, as shown on the premises map (Figure 1) and as listed in Table 11 of Schedule 1 to this works approval.
prescribed premises	has the same meaning given to that term under the EP Act.
quarterly	means a three-month period commencing from 1 January to 31 March, 1 April to 30 June, 1 July to 30 September and 1 October to 31 December.
suitably qualified structural 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.
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.
US EPA Method 2	means the United States Environmental Protection Agency *Method 2 Determination of Gas Velocity and Volumetric Flow Rate (Type S Pitol Tube).*
US EPA Method 5	means the United States Environmental Protection Agency *Method 5 Determination of Particulate Matter Emissions from Stationary sources.*
US EPA Method 201A	means the United States Environmental Protection Agency *Method 5 Determination of PM_{10} and $PM_{2.5}$ Emissions from Stationary Sources (Constant Sampling Rate Procedure).*

Term	Definition
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 and the stormwater retention basin are shown in the map below (Figure 1).

Figure 1: Map of the boundary of the prescribed premises and location of the stormwater retention basin

Premises layout

The premises layout is shown in the map below (Figure 2).

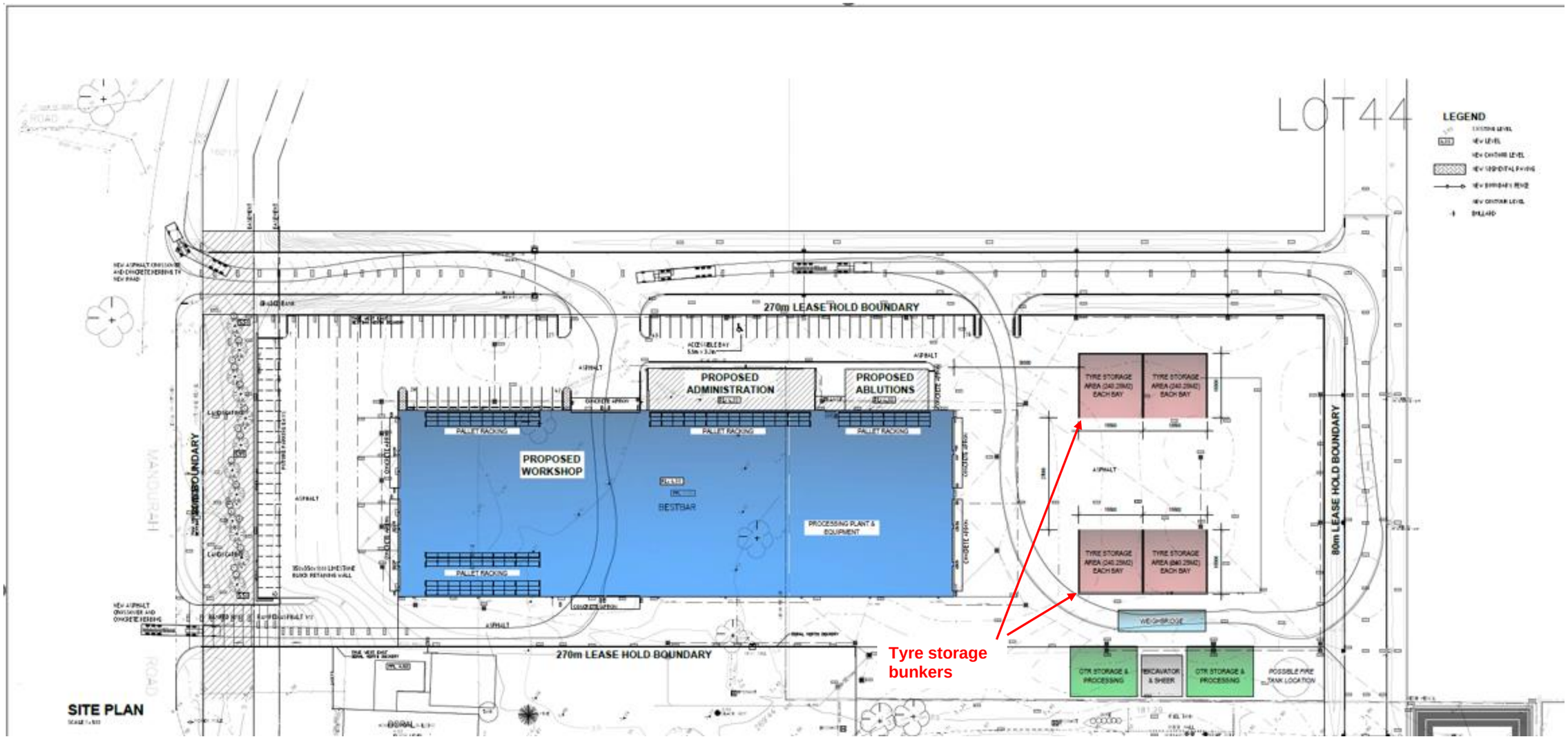
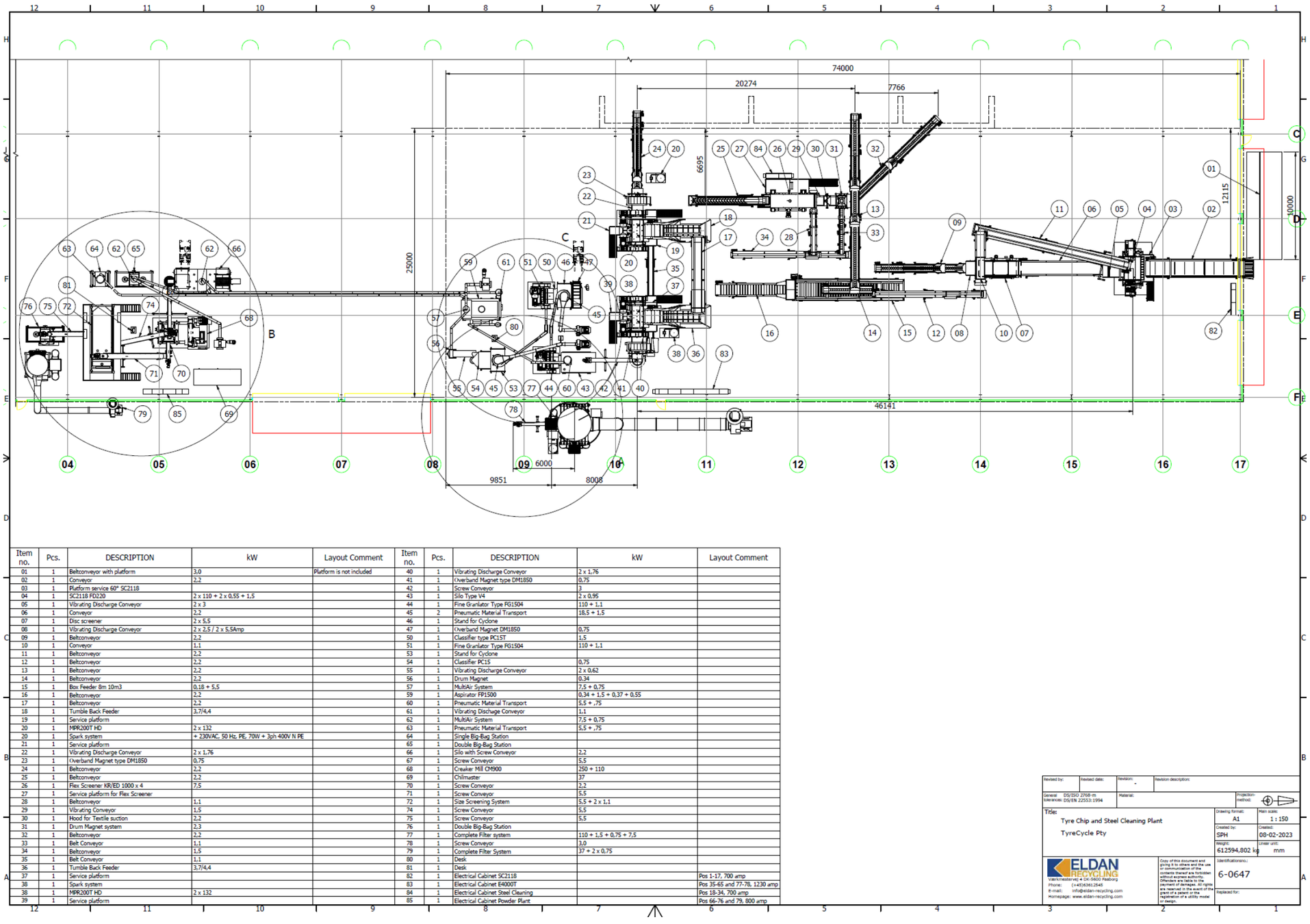


Figure 2: Premises layout

Eldan Tyre Recycling Plant Specifications

The Eldan tyre recycling plant is shown in the map below (Figure 3).



Item no.	Pcs.	DESCRIPTION	kW	Layout Comment	Item no.	Pcs.	DESCRIPTION	kW	Layout Comment
01	1	Beltconveyor with platform	3,0	Platform is not included	40	1	Vibrating Discharge Conveyor	2 x 1,76	
02	1	Conveyor	2,2		41	1	Overband Magnet type DM1850	0,75	
03	1	Platform service 60° SC2118			42	1	Screw Conveyor	3	
04	1	SC2118 FD220	2 x 110 + 2 x 0,55 + 1,5		43	1	Silo Type V4	2 x 0,95	
05	1	Vibrating Discharge Conveyor	2 x 3		44	1	Fine Granlator Type FG1504	110 + 1,1	
06	1	Conveyor	2,2		45	2	Pneumatic Material Transport	18,5 + 1,5	
07	1	Disc screener	2 x 5,5		46	1	Stand for Cyclone		
08	1	Vibrating Discharge Conveyor	2 x 2,5 / 2 x 5,5Amp		47	1	Overband Magnet DM1850	0,75	
09	1	Beltconveyor	2,2		50	1	Classifier type PC1ST	1,5	
10	1	Conveyor	1,1		51	1	Fine Granlator Type FG1504	110 + 1,1	
11	1	Beltconveyor	2,2		53	1	Stand for Cyclone		
12	1	Beltconveyor	2,2		54	1	Classifier PC15	0,75	
13	1	Beltconveyor	2,2		55	1	Vibrating Discharge Conveyor	2 x 0,62	
14	1	Beltconveyor	2,2		56	1	Drum Magnet	0,34	
15	1	Box Feeder 8m 10m3	0,18 + 5,5		57	1	MultiAir System	7,5 + 0,75	
16	1	Beltconveyor	2,2		59	1	Aspirator FP1500	0,34 + 1,5 + 0,37 + 0,55	
17	1	Beltconveyor	2,2		60	1	Pneumatic Material Transport	5,5 + ,75	
18	1	Tumble Back Feeder	3,7/4,4		61	1	Vibrating Dischage Conveyor	1,1	
19	1	Service platform			62	1	MultiAir System	7,5 + 0,75	
20	1	MPR200T HD	2 x 132		63	1	Pneumatic Material Transport	5,5 + ,75	
20	1	Spark system	+ 230VAC, 50 Hz, PE, 70W + 3ph 400V N PE		64	1	Single Big-Bag Station		
21	1	Service platform			65	1	Double Big-Bag Station		
22	1	Vibrating Discharge Conveyor	2 x 1,76		66	1	Silo with Screw Conveyor	2,2	
23	1	Overband Magnet type DM1850	0,75		67	1	Screw Conveyor	5,5	
24	1	Beltconveyor	2,2		68	1	Creaker Mill CM900	250 + 110	
25	1	Beltconveyor	2,2		69	1	Chilmaster	37	
26	1	Flex Screener KR/ED 1000 x 4	7,5		70	1	Screw Conveyor	2,2	
27	1	Service platform for Flex Screener			71	1	Screw Conveyor	5,5	
28	1	Beltconveyor	1,1		72	1	Size Screening System	5,5 + 2 x 1,1	
29	1	Vibrating Conveyor	1,5		74	1	Screw Conveyor	5,5	
30	1	Hood for Textile suction	2,2		75	1	Screw Conveyor	5,5	
31	1	Drum Magnet system	2,3		76	1	Double Big-Bag Station		
32	1	Beltconveyor	2,2		77	1	Complete Filter system	110 + 1,5 + 0,75 + 7,5	
33	1	Belt Conveyor	1,1		78	1	Screw Conveyor	3,0	
34	1	Beltconveyor	1,5		79	1	Complete Filter System	37 + 2 x 0,75	
35	1	Belt Conveyor	1,1		80	1	Desk		
36	1	Tumble Back Feeder	3,7/4,4		81	1	Desk		
37	1	Service platform			82	1	Electrical Cabinet SC2118		Pos 1-17, 700 amp
38	1	Spark system			83	1	Electrical Cabinet E4000T		Pos 35-65 and 77-78, 1230 amp
38	1	MPR200T HD	2 x 132		84	1	Electrical Cabinet Steel Cleaning		Pos 18-34, 700 amp
39	1	Service platform			85	1	Electrical Cabinet Powder Plant		Pos 66-76 and 79, 800 amp

Revised by:	Revised date:	Revision: -	Revision description:
General tolerances: DS/ISO 2768-m	Material:		Projection-method:
Title: Tyre Chip and Steel Cleaning Plant TyreCycle Pty		Drawing format: A1	Main scale: 1 : 150
		Created by: SPH	Created: 08-02-2023
		Weight: 612594,802 kg	Linear unit: mm
ELDAN RECYCLING Værkmestervej 4 DK-9600 Aabybro Phone: (+45)96612545 E-mail: info@eldan-recycling.com Homepage: www.eldan-recycling.com	Copy of this document and communication of the data or communication of the contents thereof are forbidden without express authority. Offenders are liable to the payment of damages. All rights are reserved in the event of the grant of a patent or the registration of a utility model or design.		Identificationsnr.: 6-0647 Replaced for:

Figure 3: Eldan tyre recycling plant specifications

Premises fire suppression system

The premises fire suppression system is shown in the plan below (Figure 4).

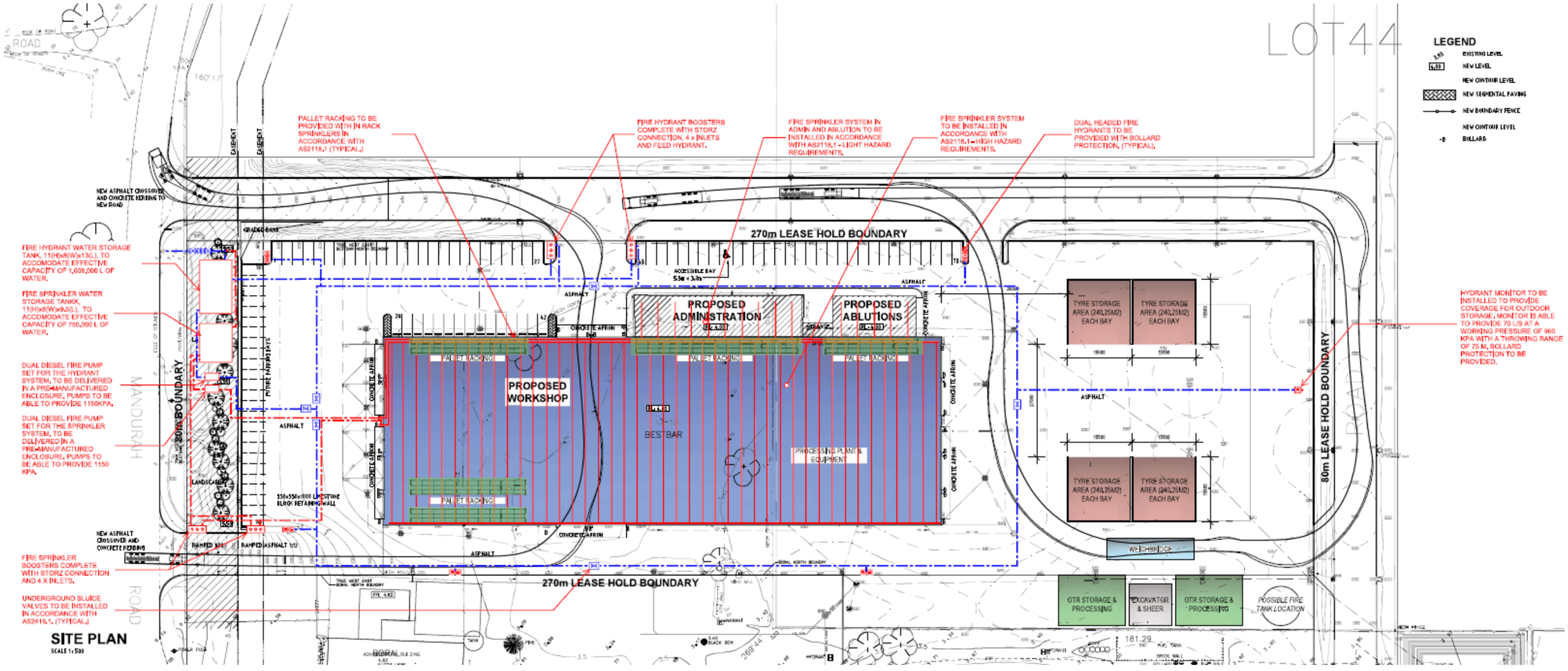


Figure 4: Premises fire suppression system

Premises firewater containment and drainage plan

The premises firewater containment and drainage plan is shown in the map below (Figure 5).

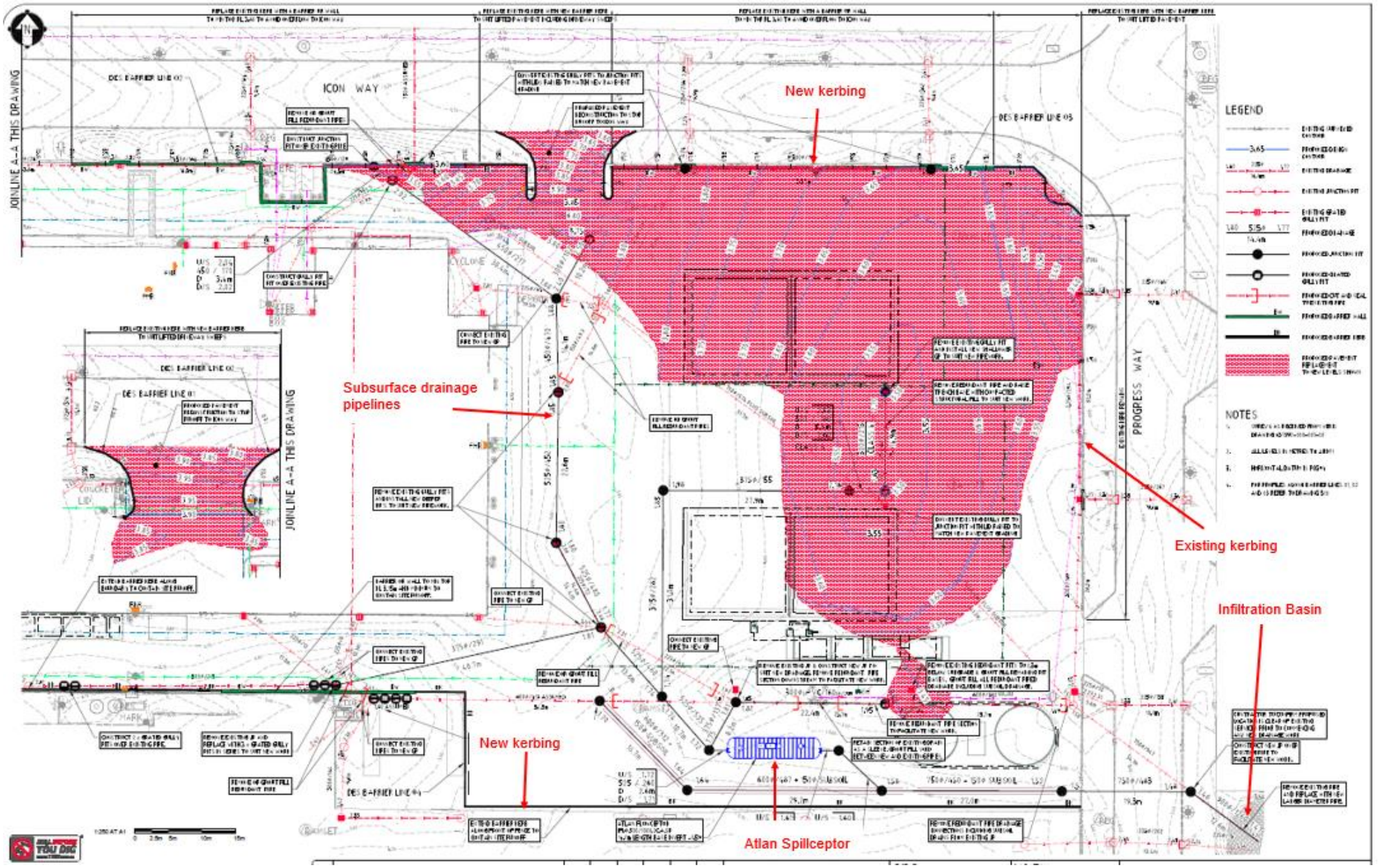


Figure 5: Premises firewater containment and drainage plan

Schedule 2: Premises boundary

The corners of the premises boundary are the coordinates listed in Table 13.

Table 13: Premises boundary coordinates (GDA2020)

	Easting	Northing	Zone
1.	385077	6429586.5	50
2.	385326.2	6429588.0	50
3.	385334.1	6429580.3	50
4.	385334.5	6429490.8	50
5.	385222.6	6429489.9	50
6.	385222.3	6429503.3	50
7.	385226.5	6429503.4	50
8.	385226.5	6429507.1	50
9.	385077.4	6429506.7	50

Schedule 3: Monitoring locations

Warehouse stack monitoring locations

The monitoring locations of the warehouse stacks are shown in the map below (Figure 6).

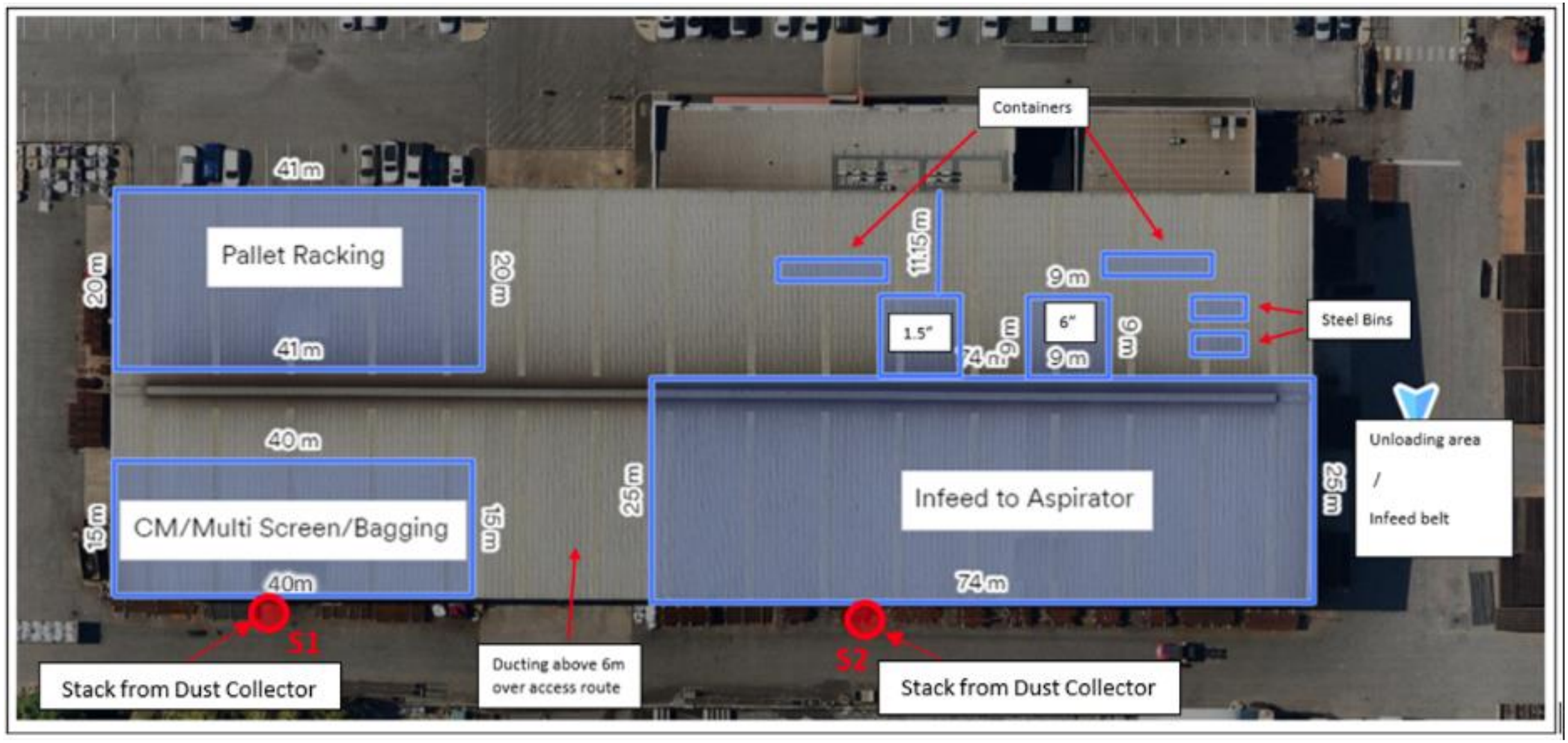


Figure 6: Monitoring locations of warehouse stacks