Government of Western Australia
Department of Water and Environmental Regulation

Works Approval

Works approval number	W6957/2024/1
Works approval holder	Australian Precast Solutions Pty Ltd
ACN	113 220 894
Registered business address	174 Turner Street, Port Melbourne, VIC 3207
DWER file number	DER2024/000357
Duration	03/12/2024 to 04/12/2027
Date of issue	03/12/2024
Premises details	Australian Precast Solutions Pty Ltd 72 Eveline Road, Middle Swan, WA 6056 Legal description - Part of PIN 12245594 & Lot 72 on DP 408605 As defined by the premises map in Schedule 1 and the coordinates in Schedule 2

Prescribed premises category description (Schedule 1, *Environmental Protection Regulations 1987*)	**Assessed production capacity**
Category 77: Concrete batching plant or cement product manufacturing	39,000 tonnes per year

This works approval is granted to the works approval holder, subject to the attached conditions, on 3 December 2024, by:

Amine Fisher

Digitally signed by Amine Fisher
Date: 2024.12.03 17:52:40 +08'00'

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
03/12/2024	W6957/2024/1	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 construct and/or install the infrastructure listed in Table 1:

(a) in accordance with the corresponding design and construction/installation requirements; and

(b) at the corresponding infrastructure location

as set out in that table.

Table 1: Infrastructure design and construction / installation requirements

	Infrastructure	Design and construction / installation requirements	Infrastructure location
1.	Concrete Batching Plant comprising: • 2 x 65 tonne cement storage silos • 1x Cement screw conveyor • Dual Pan Mixer • Steel fibre weighing • 4 x 40 tonne aggregate hoppers (Bin trailer) • Inclined conveyor and vibrating feeder • Flying bucket/hopper washdown area • 2 x Wedge pits • 1x 10 kL water tank • Bunded concrete hardstand processing area	(a) Each cement silo must be fitted with: (i) an air cleaning system through which all air extracted from the silo while it is being filled must pass before it is discharged into the environment and must either be: ○ a mechanical rapping air cleaning system with a minimum filter area of 23 m^2; or ○ a reverse pulse air cleaning system that reduces dust emissions to less than 50 milligrams of particulate matter per cubic metre. (ii) a discharge point ducted to an outlet within 1 m of ground level. (iii) a level indicator system that includes: ○ an audible alarm which sounds if cement stored reaches – • 0.6 m below the inlet to the silo's air cleaning system; or • 2 tonnes less than the silo's maximum capacity; and ○ a test circuit which indicates whether the level indicator and alarm are working correctly. (b) The mixers must be screened or enclosed with minimum 0.6 mm thick steel or equivalent cladding internally lined with acoustic absorption to achieve a minimum 10 dB sound power level reduction. (c) The steel fibre weighing area must be screened or enclosed with minimum 1 mm thick steel or equivalent cladding internally	Figure 2 and Figure 3 in Schedule 1

	Infrastructure	Design and construction / installation requirements	Infrastructure location
		lined with acoustic absorption to achieve a minimum 14 dB sound power level reduction. (d) The aggregate hoppers must be enclosed or fitted with wind shields, water sprays or a dust extraction system; (e) The conveyors and the vibrating feeder must be enclosed or fitted with windshields and water sprays; (f) All concrete batching infrastructure must be established within a bunded concrete hardstand processing area which is graded to drain towards the primary wedge pit. (g) The primary wedge pit must be constructed of concrete and sized to contain a minimum volume of 3.12 kL. (h) A grated drain must be installed to convey water from the primary wedge pit to the secondary wedge pit. (i) The secondary wedge pit must be constructed of concrete and sized to contain a minimum volume of 3.12 kL. (j) The secondary wedge pit must have a submersible pump installed for transfer of water to the water tank. (k) A pipeline must be installed to convey water from the water tank to the wastewater treatment plant.	
2.	Aggregate and sand storage area comprising: • 4 x 216m^3 storage bins • 1 x 10kL sediment sump • Truck wash bay • Bunded concrete hardstand	(a) Storage bins must be enclosed on three sides, roofed and fitted with water sprays capable of wetting the whole area within the bin. (b) Storage bins must be located within a bunded concrete hardstand that is graded to drain towards the sediment sump. (c) Truck wash bay must be located within a bunded concrete hardstand that is graded to drain towards the sediment sump. (d) The sediment sump must be constructed of concrete and sized to contain a minimum volume of 10 kL. (e) A submersible pump must be installed within the sediment sump to convey water to the wastewater treatment plant.	Figure 2 and Figure 3 in Schedule 1
3.	Segment stockyard	(a) Must comprise a compacted gravel hardstand graded to drain towards the existing stormwater drains on the premises.	Figure 3 in Schedule 1
4.	Carousel system comprising:	(a) The carousel system infrastructure must be installed within the existing shed on the	Figure 3 in Schedule 1

	Infrastructure	Design and construction / installation requirements	Infrastructure location
	• Carousel area • Concrete booth area • Steam curing chamber • Wastewater sump/s	premises. (b) All openings in the existing shed must be sealed with the exception of a single opening for the flying bucket which must be minimised and any open area must be covered with mass loaded vinyl, of minimum 6 kg/m^2. (c) The concrete booth slab must be constructed independent of the concrete floor of the existing shed. (d) Fixed vibrators must installed in concrete moulds, fixed on structural steel bolted onto the concrete booth slab. (e) The concrete booth walls and ceiling must be insulated from the inside. (f) Floor of the carousel area, concrete booth slab and steam curing chamber must be graded to drain towards to the wastewater sump; (g) The wastewater sump/s must be constructed of concrete and sized to contain a minimum volume of 50 kL. (h) A submersible pump must be installed within the wastewater sump to convey water to the wastewater treatment plant.	
5.	Wastewater treatment plant	(a) The wastewater treatment plant must be constructed within the existing shed. (b) The wastewater treatment plant must comprise: (i) A wastewater sump constructed of concrete and sized to contain a minimum volume of 50 kL (ii) an oil-water separator; (iii) 1 x 1 kL water tank; (iv) filtration system; (v) 2 x 5kL mixing tanks; (vi) 1 x 50 kL treated water storage tank (vii) dosing pump system; and (viii) pumps and connection pipelines.	Figure 2 and Figure 3 in Schedule 1
6.	Gravel hardstand area and roads	(a) An automated reticulation system must be installed for dust suppression.	Not specified

Compliance reporting

2. The works approval holder must within 30 calendar days of all items 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 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.

Records and reporting (general)

4. 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;

5. 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 that is performed in the course of complying with condition 1;

(c) complaints received under condition 4.

6. 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 2 have the meanings defined.

Table 2: Definitions

Term	Definition
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
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).
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.
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 by the dashed red boundary in the map below (Figure 1).

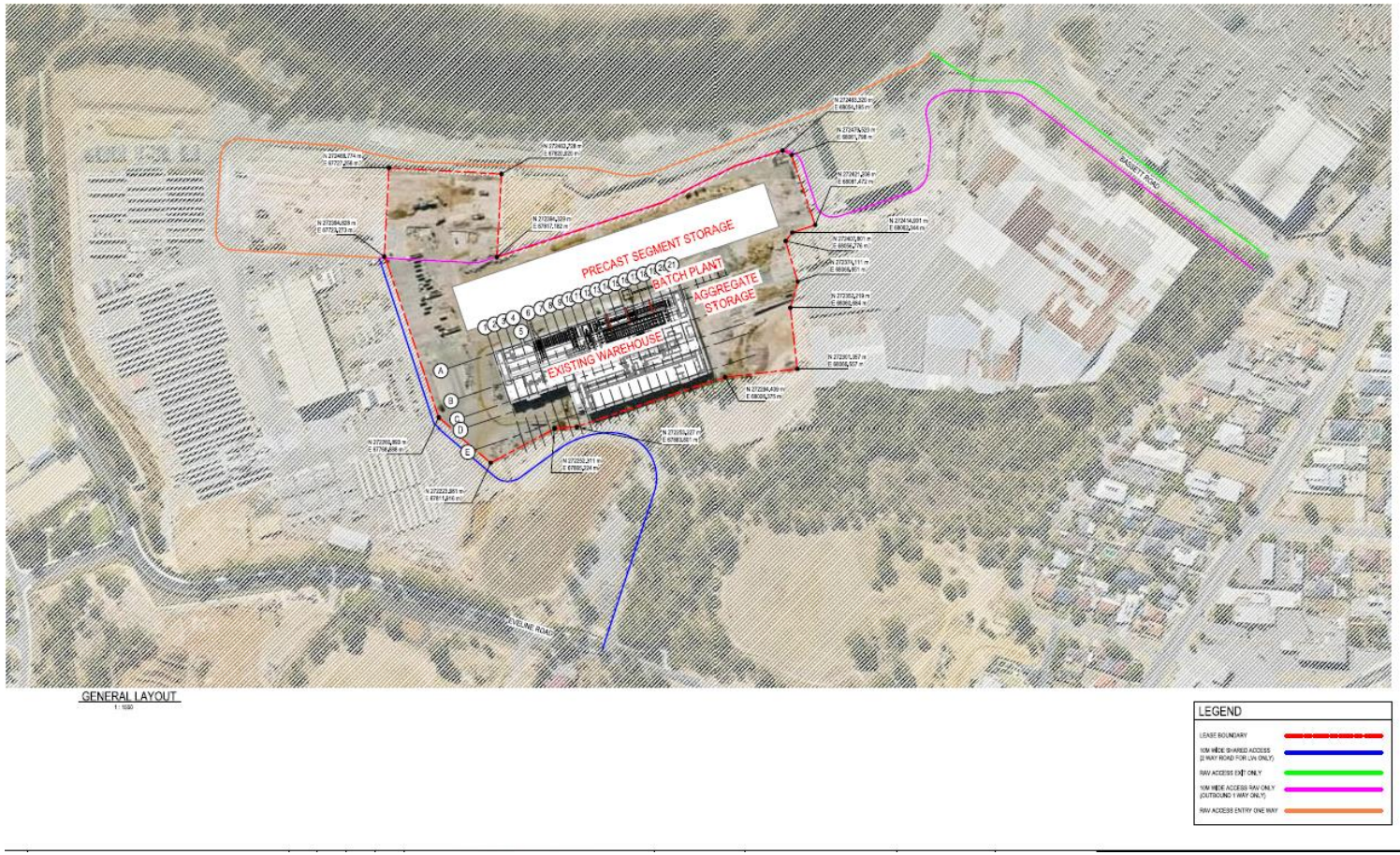

Figure 1: Map of the boundary of the prescribed premises

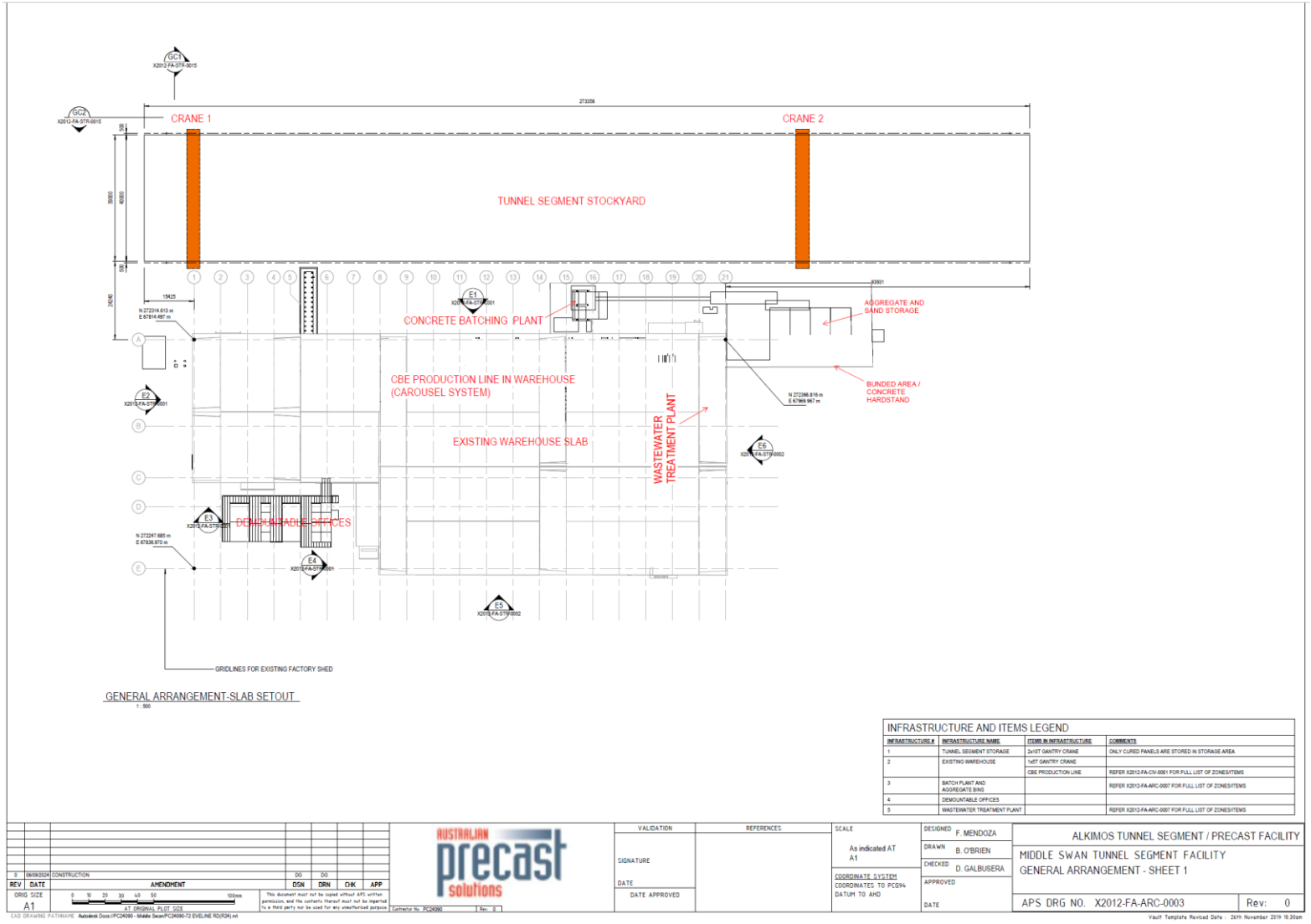

Figure 2: General site layout of premises

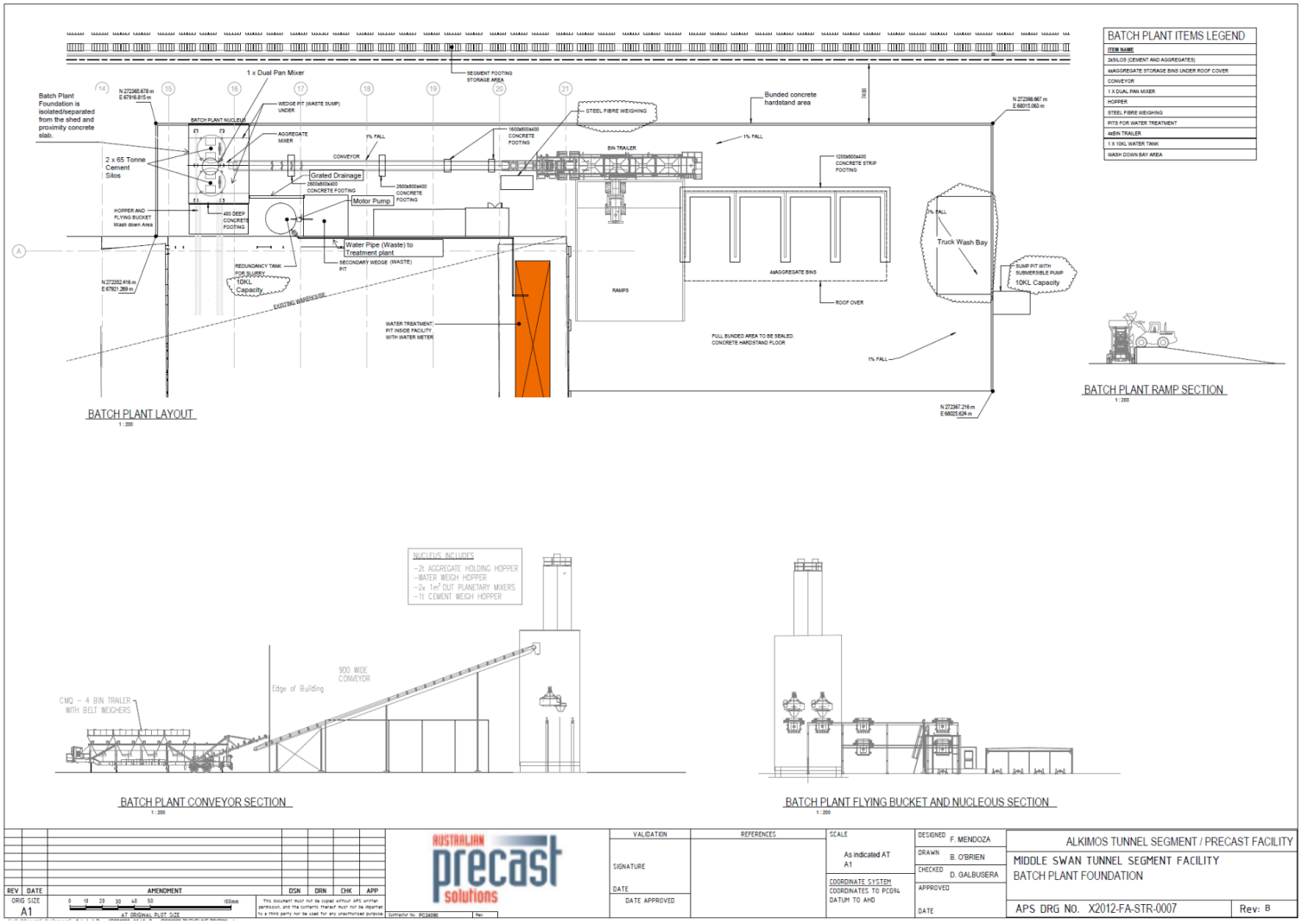

Figure 3: Detailed site layout of batch plant infrastructure

Schedule 2: Premises boundary

The corners of the premises boundary are the coordinates listed in Table 3.

Table 3: Premises boundary coordinates (GDA2020)

	Easting	Northing
1.	67727.256	272468.774
2.	67820.920	272463.728
3.	67817.182	272394.329
4.	68054.195	272483.320
5.	68061.798	272479.520
6.	68081.472	272421.206
7.	68062.344	272414.901
8.	68056.344	272407.801
9.	68066.851	272374.111
10.	68060.684	272352.219
11.	68066.557	272301.357
12.	68006.375	272294.409
13.	67883.801	272253.227
14.	67865.224	272252.311
15.	67811.916	272223.981
16.	67768.688	272260.893
17.	67723.273	272394.828