Government of Western Australia
Department of Water and Environmental Regulation

Works Approval

Works approval number	W6878/2024/1
Works approval holder	Water Corporation
Registered business address	John Tonkin Water Centre 629 Newcastle Street Leederville 6007 WA
DWER file number	DER2023/000702
Duration	07/06/2024 to 07/06/2029
Date of issue	07/06/2024
Premises details	Hyland Street Waste Water Pump Station 42 Hyland Street BASSENDEAN WA 6054 Legal description - Lot 50 on Diagram 11332 Certificate of Title Volume 1069 Folio 768 As defined by the coordinates in Schedule 2

Prescribed premises category description (Schedule 1, ***Environmental Protection Regulations 1987***)	**Assessed production / design capacity**
Category 85A: Sewage pumping station: on which sewage is pumped (other than to or from septic tanks) and where a discharge of waste from the station may enter the Swan River or the Canning River.	Not applicable

This works approval is granted to the works approval holder, subject to the attached conditions, on 7 June 2024, by:

Grace Heydon

Digitally signed by Grace Heydon
Date: 2024.06.07 13:15:53 +08'00'

Grace Heydon
A/MANAGER WASTE INDUSTRIES – REGULATORY SERVICES
an officer delegated under section 20 of the *Environmental Protection Act 1986* (WA)

Works approval history

Date	Reference number	Summary of changes
07/06/2024	W6878/2024/1	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

Management plans

1. The works approval holder must submit a Construction Environmental Management Plan (CEMP) to the CEO a minimum of 30 working days prior to construction activities commencing.

2. The CEMP specified in condition 1 should include as a minimum:

(a) details of the potential sources of:

(i) noise emissions;

(ii) odour emissions;

(iii) dust emissions;

(iv) wastewater discharge emissions; and

(v) chemicals and hydrocarbon discharges;

during the construction works; and

(b) provide mitigation and management measures to reduce and prevent the potential emissions listed under condition 2(a).

3. The works approval holder must implement the *Wastewater Overflow Response Procedure* for the management, response and mitigation of impacts from a possible emergency discharge from the sewage pumping station.

Infrastructure and equipment

4. The works approval holder must:

(a) construct and / or install the infrastructure and 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 / installation requirements

	Infrastructure	Design and construction / installation requirements	Infrastructure location
1.	Pump station	– Pumps to be removed / installed within the existing pump station in accordance with Water Corporation design standard *DS 51 – The Design and Construction of Wastewater Pumping Stations and Pressure Mains;* – bypass pump to be installed within the inlet access chamber; – bypass pump set up to be hydrostatically tested prior to operation and any defects or leaks to be resolved prior to use; – the works approval holder must ensure the access chamber is sealed when tie-in works and associated activities are not being undertaken; – the pumping station upgrade is to include a total of two FLYGT model NT3202.185HT dry mount submersible wastewater pumps with one for duty and one for standby as contingency. The standby pump must automatically operate if the duty pump fails; – FLYGT model NT3202.185HT pumps must be pressure tested prior to operation and any defects to be resolved; and – emergency storage tanks must have a total emergency storage volume capacity of 266. 752 m^3 and must provide approximately 4 hours of emergency storage.	As defined in Schedule 1: Maps (Figure 2)
2.	Emergency alarm system	– the following seven alarms are to be in place during pumping station operation and bypass pump operation to ensure operators are aware of suspected failures or issues with the pumping station prior to wastewater flowing into the emergency storage system: Alarms to be set / fitted to engage when: 1) the first pump stops working; 2) the second pump stops working; 3) trigger levels within the well are reached following failure of both pumps; 4) system failure occurs - wastewater continues to flow into the well and overflows back into the inlet chamber; 5) well and chamber capacity is reached and wastewater starts to flow into the emergency storage tanks; 6) overflow tanks and reticulation network are half full; 7) overflow tanks are completely full and about to discharge into the environment.	Within the pump station as defined in Schedule 1: Maps (Figure 2)

	Infrastructure	Design and construction / installation requirements	Infrastructure location
3.	Pipework, suction discharge and non-return valves	– Pipework upgrades to occur within the existing pumping station within the dry well; – pipework to be prefabricated and Mild Steel Cement Lined (MSCL); – pumping station and bypass pump setup pipework, fittings and valves to be leak tested and deemed fit for purpose prior to use; – daily inspections to ensure bypass pump pipework, fittings and valves are free of leaks and defects; – removed and installed in accordance with the Water Corporation design standard *DS 65 – Pipe Fittings Standard Drawings*; and – ductile Iron (DI) valves to be installed up to the manifold and within the dry well.	As defined in Schedule 1: Maps (Figure 2)

Compliance reporting

5. The works approval holder must within 30 calendar days of an item of infrastructure or equipment required by condition 4 being constructed and / or installed:

(a) undertake an audit of their compliance with the requirements of condition 4; and

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

6. The Environmental Compliance Report required by condition 5, must include as a minimum the following:

(a) certification by a Qualified, Competent Civil or Structural Engineer that the items of infrastructure or component(s) thereof, as specified in condition 4, have been constructed in accordance with the relevant requirements specified in condition 4;

(b) as constructed plans and a detailed site plan for each item of infrastructure or component of infrastructure specified in condition 4; 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)

7. 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.

8. 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 4;

(b) any maintenance of infrastructure that is performed in the course of complying with condition 4;

(c) complaints received under condition 7.

9. The books specified under condition 8 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
condition	a condition to which the licence is subject under section 62 of the *Environmental Protection Act 1986* (WA).
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.
DS 51 – The Design and Construction of Wastewater Pumping Stations and Pressure Mains	refers to the design standard document 'The Design and Construction of Wastewater Pumping Stations and Pressure Mains', prepared by the Water Corporation, JULY 2023 (DWERDT921299).
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).
Inlet access chamber	Refers to an access point to the sewage system (manhole).
mbgl	metres below ground level
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.

Term	Definition
prescribed premises	has the same meaning given to that term under the EP Act.
Qualified, Competent Civil or Structural Engineer	Means a person who: (a) holds a Bachelor's degree recognized 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.
waste	has the same meaning given to that term under the EP Act.
Wastewater Overflow Response Procedure	refers to the document '*Wastewater Overflow Response Procedures*', prepared by the Department of Health, Department of Environment and Conservation, Swan River Trust and Water Corporation, March 2013.
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 pink in the map below (Figure 1).

Figure 1: Map of the boundary of the prescribed premises

Detailed site map

The location of below ground infrastructure and pipework, access chamber and bypass pump set-up within the prescribed premises boundary is shown in the map below (Figure 2).

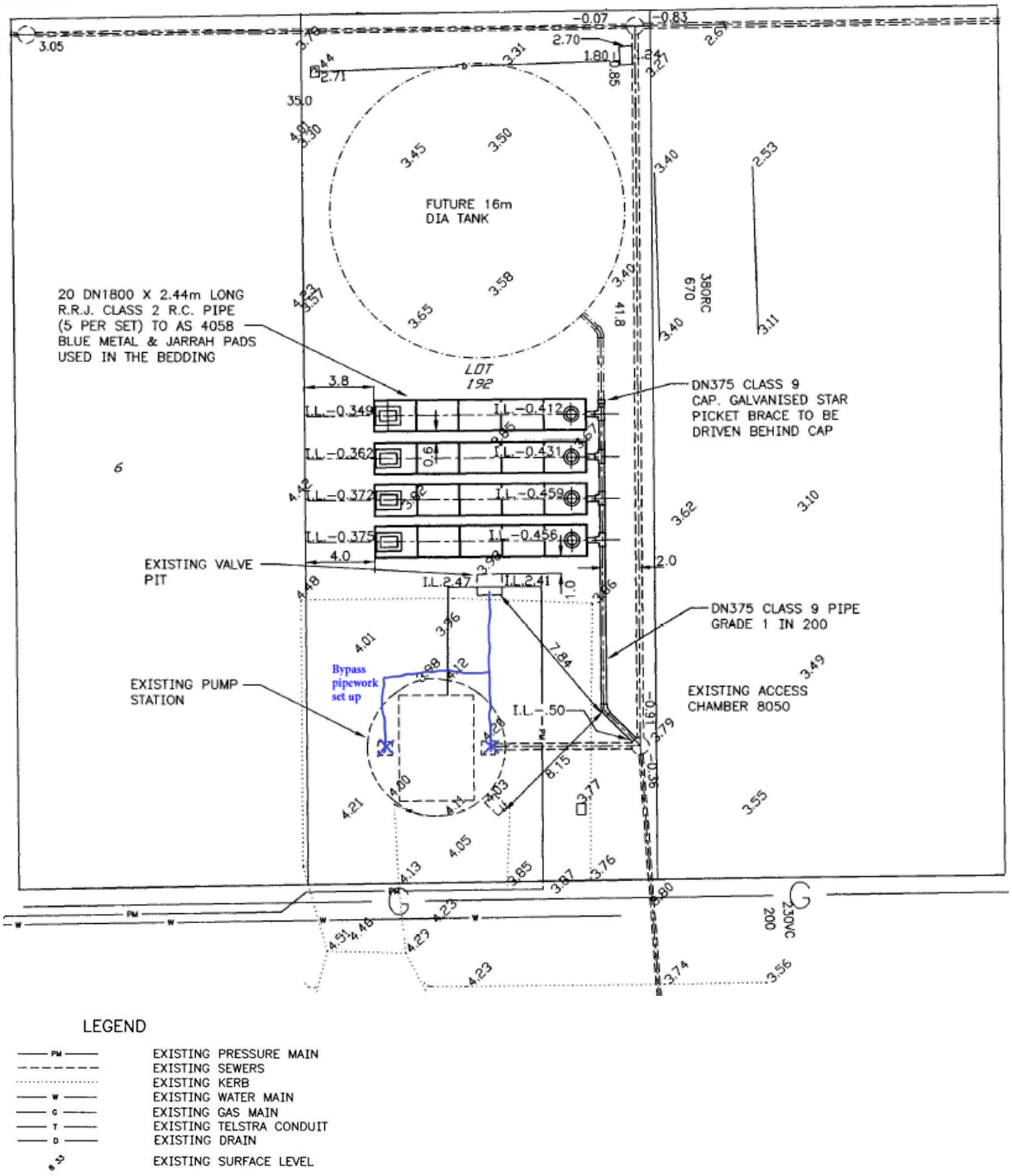

Figure 2: Layout of infrastructure and pipework

Schedule 2: Premises boundary

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

Table 3: Premises boundary coordinates (GDA 2020)

	Easting	Northing
1.	115.955075	-31.909581
2.	115.955287	-31.90958
3.	115.955075	-31.910035
4.	115.955288	-31.910034